



STIC Search Report

EIC 2100

STIC Database Tracking Number: 227060

TO: Michael Pham
Location: RND 3D18
Art Unit: 2167
Wednesday, June 06, 2007

Case Serial Number: 10/672252

From: Carol Wong
Location: EIC 2100
RND-4B28
Phone: 571-272-3513

Carol.Wong@uspto.gov

Search Notes

Dear Ex. Pham:

Attached are the search results for your case. Due to the 3-hour F&F time limitation, only the foreign patent files were searched. Pls submit another request if you wish to have the NPL files searched.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks, Carol



STIC EIC 2100

Search Request Form

227060

(19)

Today's Date:

June 5th

What date would you like to use to limit the search?

Priority Date: 1/4/1999 Other:

Name Michael Pham

AU 2167 Examiner # 81563

Room # 3D14 RAN Phone 23924

Serial # 10672 252

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other EAST

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES NO

Is this case a SPECIAL CASE? (Circle One) YES NO

~~Special~~ looking for second limitation of claim 26.

Invention Summary - Receives location of data asset from user ~~from~~

Receives query identifying concept & relation
uses the above criteria to query a tag database
that locates the data asset associated with
the location, concept, and relation.

Assignee: Adobe
Systems.

(essentially organizes data)
assets

tags (e.g. metadata)

assets (e.g. image file, audio files, document, video files)

as file is saved
tag data is obtained
and moved to
tag DB.

STIC Searcher cuming

Phone 2-3513

Date picked up 6/6/99

Date Completed 6/6/99

File 347:JAPIO Dec 1976-2006/Dec(Updated 070403)

(c) 2007 JPO & JAPIO

File 350:Derwent WPIX 1963-2007/UD=200735

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Set	Items	Description
S1	368798	INTERFACE? ? OR GUI OR GUIS OR UI OR UIS OR HMI OR WIMP? ? OR USERINTERFACE?
S2	4571	METADATA OR METADATUM? OR METATAG? ? OR METAValue? OR META- OBJECT? ? OR METAFEATURE?
S3	2707	META()(DATA OR DATUM? ? OR TAG? ? OR VALUE? ? OR OBJECT? ? OR FEATURE? ?)
S4	156841	DATABASE? OR DATASET? OR DATABANK? OR DATASTOR? OR DATAFIL- E? OR DATADEPOSIT? OR DATAREPOSIT? OR DATA LIBRAR? OR DATAMART? OR DATACOLLECT?
S5	252869	DATA()(BASE? ? OR SET? ? OR BANK? ? OR STORE? ? OR FILE? ? OR DEPOSITOR? OR REPOSITOR? OR LIBRAR??? OR MART? ? OR COLLEC- TION? ? OR ARCHIV??? OR WAREHOUS? OR STOREHOUS?)
S6	2831882	STORE? ? OR STORING OR STORAGE OR MEMORY? ? OR MEMORIES
S7	49610	DEPOSITOR??? OR REPOSITOR??? OR LIBRAR???
S8	184090	FILE? ?
S9	3336	S2:S3(5N)S4:S8
S10	60636	TAG OR TAGS
S11	83703	DESCRIPT?R? ? OR KEYFIELD? OR KEYWORD? OR IDENTIFIER? OR K- EYPHRASE? OR KEYTERM? OR KEYCONCEPT? OR KEYTOPIC?
S12	16	KEYSUBJECT? OR KEYTHEME? OR KEYID? ? OR KEYIDENTIFIER? OR - KEYDATA OR KEYDATUM? OR KEYVALUE?
S13	4429	KEY()(FIELD? ? OR WORD? ? OR PHRASE? ? OR TERM? ? OR TERMI- NOLOG??? OR CONCEPT? ? OR TOPIC?? OR SUBJECT? ?)
S14	8340	KEY()(THEME? ? OR ID? ? OR DATA OR DATUM? ? OR VALUE? ?)
S15	639	TOI OR TOIS OR POI OR POIS
S16	36078	S10:S15(5N)S4:S8
S17	1866	(S9 OR S16)(30N)S1
S18	110605	S4:S8(5N)(SEARCH??? OR QUERY? OR QUERIE? ? OR IR OR RETRIE- V? OR INTERROGAT? OR FETCH???)
S19	453	S17 AND S18
S20	94	S19 AND AC=US/PR AND AY=(1963:1998)/PR
S21	108	S19 AND AC=US AND AY=1963:1998
S23	63	S19 AND PY=1963:1998
S24	122	S20:S23
S25	122	IDPAT (sorted in duplicate/non-duplicate order)
S26	121	IDPAT (primary/non-duplicate records only)
S27	27273	S4:S8(3N)SEPAR?TE??
S28	118483	(DIFFERENT OR NEW OR ADDITIONAL OR SECOND? OR 2ND OR ANOTH- ER OR ALTERNAT??? OR THIRD OR 3RD)(1W)S4:S8
S29	23232	(HETEROGEN? OR INHOMOGEN? OR OTHER)(1W)S4:S8
S30	33	S26 AND S27:S29
S31	78507	IC='G06F-017/30':IC='G06F-017/39'
S32	24424	IC='G06F-0017/30'
S33	18860	MC='T01-F05E'
S34	7642	MC='T01-J05B1'
S35	16442	MC='T01-J05B3'
S36	20	S26 AND S33:S35
S37	14	S36 NOT S30
S38	41	S26 AND S31:S32
S39	18	S38 NOT (S30 OR S36)
S40	450	S17 AND S31:S35
S41	43	S40 AND AC=US/PR AND AY=(1963:1997)/PR
S42	51	S40 AND AC=US AND AY=1963:1997
S43	51	S40 AND AC=US AND AY=(1963:1997)/PR
S44	22	S40 AND PY=1963:1997
S45	60	S41:S44
S46	30	S45 NOT (S30 OR S36 OR S38)

? t46/9/1

46/9/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05636725 **Image available**
REGISTER SYSTEM FOR IMAGE DATA

PUB. NO.: 09-251525 [JP 9251525 A]
PUBLISHED: September 22, 1997 (19970922)
INVENTOR(s): KUROSU YASUO

KANEMA SEIICHI
TATE HITOSHI
UCHIYAMA HAJIME
OKUMURA MASAHIRO
FUJINAWA MASAOKI
KUBUSHIRO NAOAKI
SHIMIZU HIROO

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)

HITACHI MICRO SOFTWARE SYST CO LTD [491485] (A Japanese
Company or Corporation), JP (Japan)

APPL. NO.: 08-011531 [JP 9611531]

FILED: January 26, 1996 (19960126)

INTL CLASS: [6] G06T-001/00; G06F-017/30 ; G06F-017/50

JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other); 45.4 (INFORMATION
PROCESSING -- Computer Applications)

JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)

ABSTRACT

PROBLEM TO BE SOLVED: To register image data at a high speed without requiring much labor and time by automatically extracting a character keyword from vector data generated by a CAD system when converting these vector data to image data for an electronic filing device.

SOLUTION: A data converter 12 is composed of a vector interface 21 for receiving the data of a CAD 11, RAM 22 for converting the vector data received by that vector interface to raster data and storing them, raster interface 23 for sending the image data and keyword to an electronic file 13 after data conversion, keyword RAM 24 for storing the extracted keyword, and control part 25 for converting the vector data to the raster data while controlling the data converter 12. Namely, the keyword is extracted from the vector data of a vector system by the data converter 12. As its extracting means, attribute conditions expressing the features of drawing are set by utilizing that the vector data are composed of attributes such as a line type, and the vector data having the attributes matched with these conditions are extracted.

? t49/69,k/9,22,29

>>>Set 49 does not exist

? t46/69,k/9,22,29

46/69,k/9 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010322670 - Drawing available

WPI ACC NO: 2000-637189/200061

Related WPI Acc No: 2002-597821

XRPX Acc No: N2000-472487

Multimedia computer system includes evaluator which weights one or more of tags with quality weights indicating achievement level of goal defined by tag

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ALPERT S R; COOPER J W; FAIRWEATHER P G; LAM R B

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6092081	A	20000718	US 1997810796	A	19970305	200061 B

Priority Applications (no., kind, date): US 1997810796 A 19970305

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6092081	A	EN	15	8	

Alerting Abstract US A

NOVELTY - A tag list (350) with predetermined set of tags is a list of goals (360) provided for a teacher. Quality weights (354) are displayed on graphical user interface in a third window, an evaluator weights one or more of the tags with the quality weights which gives an indication of how well the author achieved the goal defined by the tag.

DESCRIPTION - A memory stores one or more digital portfolios generated by one or more authors. Each digital portfolio has one or more projects each having one or more project elements. An INDEPENDENT CLAIM is also included for information accessing method in database.

USE - For tagging both text and multimedia objects in a student project in searchable digital libraries.

ADVANTAGE - Since weights are assigned to each goals, summaries of the goals can be generated to assist evaluator in evaluating both the work of authors and success of evaluator in managing the authors.

DESCRIPTION OF DRAWINGS - The figure shows the drawing of novel computer display.

350 Tag list

354 Quality weights

360 Goals

Title Terms/Index Terms/Additional Words: COMPUTER; SYSTEM; EVALUATE; WEIGHT; ONE; MORE; TAG; QUALITY; INDICATE; ACHIEVE; LEVEL; GOAL; DEFINE

Class Codes

International Classification (Main): G06F-017/30

US Classification, Issued: 707104000, 707513000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4M; T01-J11C1; T01-J30

Class Codes

International Classification (Main): G06F-017/30

Original Publication Data by Authority

Claims:

...tags being selected by the evaluator from the tag list with a predetermined set of tags, tagged project elements being stored in said memory as a database of annotated author documents, where the tag list with a predetermined set of tags is a list of goals and the graphical user interface displays in a third window a quality weight and the tagging process prompts a user for a quality weight and the quality weight is associated...

Basic Derwent Week: 200061

46/69,K/22 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008578360 - Drawing available

WPI ACC NO: 1998-113198/199811

XRFX ACC No: N1998-090742

GUI based resource file builder tool - includes sub-processes allowing user selection and saving of keyword class from library as instance data

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: REDPATH R J; RICHARD

Patent Family (4 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
GB 2316592	A	19980225	GB 199716163	A	19970801	199811 B
JP 10116185	A	19980506	JP 1997218417	A	19970813	199828 E
US 5878425	A	19990302	US 1996701226	A	19960821	199916 E
JP 2003140897	A	20030516	JP 1997218417	A	19970813	200341 E
			JP 2002298796	A	19970813	

Priority Applications (no., kind, date): US 1996701226 A 19960821

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
GB 2316592	A	EN	32	10	
JP 10116185	A	JA	17		
JP 2003140897	A	JA	17		Division of application JP 1997218417

Alerting Abstract GB A

The file builder tool includes a class library with a keyword class for each keyword included in a resource file being developed. Each of the keywords has a selectable iconic representation displayable in the GUI (60) of the builder tool. A first sub-process permits a user to select one of the keyword classes by selecting one of the iconic representations. A second set of processes prompt the user to input keyword data for the selected keyword class.

A third set of subprocesses save an instance of the selected keyword class having the input keyword data as instance data within the resource file. A fourth subprocess determines whether the saved instance data affects that of any other saved instance of any of the keyword classes within the resource file. Affected instance data is updated.

ADVANTAGE - Provides developer time and computing resource saving. Produces translated program version simply. Provides text format resource file which can be used with programs written in numerous languages according to known standard resource file handling techniques.

Title Terms/Index Terms/Additional Words: BASED; RESOURCE; FILE; BUILD; TOOL; SUB; PROCESS; ALLOW; USER; SELECT; SAVE; KEYWORD; CLASS; LIBRARY; INSTANCE; DATA

Class Codes

International Classification (Main): G06F-017/30 , G06F-009/06, G06F-009/44, G06F-009/45

(Additional/Secondary): G06F-003/00

US Classification, Issued: 707102000, 707101000, 707103000, 395707000, 395701000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F07; T01-J12D; T01-J20B1

Alerting Abstract ...The file builder tool includes a class library with a keyword class for each keyword included in a resource file being developed. Each of the keywords has a selectable iconic representation displayable in the GUI (60) of the builder tool. A first sub-process permits a user to select one...

Class Codes

International Classification (Main): G06F-017/30 ...

Original Publication Data by Authority

Original Abstracts:

...selected keyword. Upon saving the input data, an instance of the keyword class (an object) is saved in the resource file. A graphical representation of the saved keyword object is displayed to the user in the graphical user interface for the builder tool. After the user has included one or more keyword objects in the resource file, the user may convert the resource file into a standard text format resource file which may be utilized by...

Claims:

...including computer readable code included on media for enabling the creation of resource files, comprising: a class library including a keyword class for each keyword includable in a resource file being developed, each of the keywords having a selectable iconic representation displayable in a graphical user interface of said resource file builder tool; first subprocesses for permitting a user to select one of the keyword classes...

Basic Derwent Week: 199811

46/69,K/29 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0007111407 - Drawing available

WPI ACC NO: 1995-140897/ 199519

XRPX Acc No: N1995-110801

Information catalogue system with object-dependent functionality -
cataloguing information managed by one or more data processing nodes having
catalogue system product functionality within environment of fully user
extendable meta-information objects

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: HARPER L; LABRIE J

Patent Family (5 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 647909	A1	19950412	EP 1994306033	A	19940816	199519 B
JP 7152621	A	19950616	JP 1994205807	A	19940830	199533 E
US 5717925	A	19980210	US 1993134355	A	19931008	199813 E
			US 1996658402	A	19960605	
EP 647909	B1	20030416	EP 1994306033	A	19940816	200328 E
DE 69432503	E	20030522	DE 69432503	A	19940816	200341 E
			EP 1994306033	A	19940816	

Priority Applications (no., kind, date): US 1996658402 A 19960605; EP 1994306033 A 19940816; US 1993134355 A 19931008

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 647909	A1	EN	23	14	
Regional Designated States,Original: DE FR GB					
JP 7152621	A	JA	20		
US 5717925	A	EN	21	14	Continuation of application US 1993134355
EP 647909	B1	EN			
Regional Designated States,Original: DE FR GB					
DE 69432503	E	DE			Application EP 1994306033
					Based on OPI patent EP 647909

Alerting Abstract EP A1

The information catalogue database system is used for cataloguing information stored in one or more data storage resources (12 to 24) under the control of one or more data processing nodes (4). The catalogue system (2) includes a cataloguing service facility (60) for performing one or more information cataloguing functions to organise and present a graphical view of the information stored in the data storage resource (12 to 24). The information cataloguing functions are categorised into a number of defined function categories.

An object generation facility generates one or more meta-data objects corresp to units of information stored in the data storage resources. The meta-data objects contain attributes defining characteristics of the information units to which they corresp, and the meta-data objects are assigned to one or more of the function categories to define the information cataloguing functions which may be performed on the meta-data objects.

USE/ADVANTAGE - Cataloguing information stored in data storage resource and managed by one or more data processing nodes for use by non-data processing professionals having access to system.

Title Terms/Index Terms/Additional Words: INFORMATION; CATALOGUE; SYSTEM; OBJECT; DEPEND; FUNCTION; ONE; MORE; DATA; PROCESS; NODE; PRODUCT; ENVIRONMENT; USER; EXTEND; META

Class Codes

International Classification (Main): G06F-012/00, G06F-017/30
US Classification, Issued: 395613000, 395614000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F07; T01-J05B2

Class Codes

...International Classification (Main): G06F-017/30

Original Publication Data by Authority

Claims:

...32) adapted to create said user-defined objects by interpreting tag language statements, said tag language statements being obtained by reformatting said units of information stored in said data storage resource.

...storage resource for subsequent discovery by users; editable catalog function categorization means including a user interface for allowing users to categorize said information cataloging functions into a plurality of cataloging function categories; editable object means including a user interface for allowing users to generate a meta- database containing one or more meta - data objects corresponding to units of information stored in the data storage resource, said meta - data objects being generated based on meta-data relationships determined by a user and containing attributes defining characteristics of the information units to which they correspond and said meta-data objects being assigned to one or more of said cataloging function categories to define the information cataloging functions which may be performed on said meta - data objects; and discovery means including a user interface for allowing users to execute said information cataloging functions on said meta-data objects to provide user discovery of said units of information stored in the data storage resource. Basic Derwent Week: 199519

?

? t30/69,k/5

30/69,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010356748 - Drawing available

WPI ACC NO: 2000-672384/200065

XRPX ACC No: N2000-498508

Direct memory access descriptor prefetching method in computer system,
involves reading set of descriptors from memory of computer system and
storing into descriptor memory

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: COLLIER J D

Patent Family (10 patents, 88 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2000031649	A1	20000602	WO 1999US26790	A	19991110	200065	B
AU 200030994	A	20000613	AU 200030994	A	19991110	200065	E
US 6202107	B1	20010313	US 1998195883	A	19981119	200120	E
US 20010001867	A1	20010524	US 1998195883	A	19981119	200130	E
			US 2001759959	A	20010111		
EP 1133733	A1	20010919	EP 1999964978	A	19991110	200155	E
			WO 1999US26790	A	19991110		
US 6324597	B2	20011127	US 1998195883	A	19981119	200175	E
			US 2001759959	A	20010111		
US 20020052987	A1	20020502	US 1998195883	A	19981119	200234	E
			US 2001759959	A	20010111		
			US 2001990656	A	20011121		
EP 1133733	B1	20030122	EP 1999964978	A	19991110	200308	E
			WO 1999US26790	A	19991110		
DE 69905073	E	20030227	DE 69905073	A	19991110	200323	E
			EP 1999964978	A	19991110		
			WO 1999US26790	A	19991110		
US 6772237	B2	20040803	US 1998195883	A	19981119	200451	E
			US 2001759959	A	20010111		
			US 2001990656	A	20011121		

Priority Applications (no., kind, date): US 2001990656 A 20011121; US
2001759959 A 20010111; US 1998195883 A 19981119

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2000031649	A1	EN	21	5	
National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
AU 200030994	A	EN			Based on OPI patent WO 2000031649
US 20010001867	A1	EN			Continuation of application US 1998195883
EP 1133733	A1	EN			PCT Application WO 1999US26790 Based on OPI patent WO 2000031649
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 6324597	B2	EN			Continuation of application US 1998195883
US 20020052987	A1	EN			Continuation of patent US 6202107 Continuation of application US 1998195883
					Continuation of application US

2001759959

EP 1133733 B1 EN

Regional Designated States, Original:
DE 69905073 E DE

US 6772237 B2 EN
1998195883

2001759959

Continuation of patent US 6202107
Continuation of patent US 6324597
PCT Application WO 1999US26790
Based on OPI patent WO 2000031649
Application EP 1999964978
PCT Application WO 1999US26790
Based on OPI patent EP 1133733
Based on OPI patent WO 2000031649
Continuation of application US

Continuation of application US

Continuation of patent US 6202107
Continuation of patent US 6324597

Alerting Abstract WO A1

NOVELTY - A set of descriptor are read from the memory of computer system in which each descriptor identifies the address whose data is to be written. Another set of descriptor are read from the memory, in which each descriptors identifies the address from where data is to be read. The descriptors read from the memory are then stored in unified descriptor random access memory (56).

USE - In computer system for fetching descriptors used in direct memory access data transfer operation.

ADVANTAGE - Overall system speed is improved and efficiency way of moving data between memory and input-output device is enabled.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of descriptor fetch unit.

56 Unified descriptor random access memory

Title Terms/Index Terms/Additional Words: DIRECT; MEMORY; ACCESS; DESCRIBE; METHOD; COMPUTER; SYSTEM; READ; SET; STORAGE

Class Codes

International Classification (Main): G06F-013/00, G06F-013/14, G06F-013/28

(Additional/Secondary): G06F-012/00, G06F-003/00, G06F-009/26

US Classification, Issued: 710033000, 710022000, 710024000, 710040000,
710022000, 710006000, 711213000, 710022000, 710006000, 711213000,
712207000, 710022000, 710006000, 711213000, 712207000, 710022000,
710006000, 711213000, 712207000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H01A; T01-H05B2

Alerting Abstract USE - In computer system for fetching descriptors used in direct memory access data transfer operation...

Original Publication Data by Authority

Claims:

...A descriptor fetch unit comprising: a unified descriptor memory (56) for storing descriptors; and a descriptor fetch controller (50) coupled to said unified descriptor memory (56), wherein said descriptor fetch controller is configured to fetch a first plurality of descriptors corresponding to a first context in response to a first request, and wherein said descriptor fetch controller is configured to fetch...

...descriptors corresponding to a second context in response to a second request, wherein said descriptor fetch controller is configured to store

said first plurality of descriptors and said second plurality of descriptors in said unified descriptor memory, wherein said first plurality of descriptors and said second plurality of descriptors subsequently occupy said...

...first address in the memory where data is to be written;reading a plurality of second descriptors from the memory, wherein each of the plurality of second descriptors identifies a second address in the memory where data is to be read;storing the plurality of first...

...second descriptors from the memory, wherein each of the plurality of second descriptors identifies a second address in the memory where data is to be read;storing the plurality of first descriptors into...CPU);a main memory coupled to the CPU;an I/O bus;a host controller interface coupled between the I/O bus and the main memory;wherein data is transferred between one or more I/O devices coupled to the I/O bus and the main memory using descriptors generated by the CPU and stored in the main memory;wherein the host controller interface comprises:a descriptor memory for storing descriptors, wherein the descriptor memory is configured to provide a requested descriptor when the requested descriptor is stored therein; and fetching circuitry coupled to the descriptor memory and operably coupled to the main memory, wherein when the requested descriptor is not stored in the descriptor memory, the fetching circuitry is configured to : (i) fetch a plurality of descriptors from the main memory during a single data transfer...

...plurality of descriptors includes the requested descriptor, and (ii) store the fetched plurality of descriptors within the descriptor memory .

What is claimed is:1. A descriptor fetch unit comprising:a unified descriptor memory for storing descriptors; anda descriptor fetch controller coupled to said unified descriptor memory, wherein said descriptor fetch controller is configured to fetch a first plurality of descriptors corresponding to a first context in response to a first request, and wherein said descriptor fetch controller is configured to fetch a second plurality of descriptors corresponding to a second context in response to a second request, wherein said descriptor fetch controller is configured to store said first plurality of descriptors and said second plurality of descriptors in said unified descriptor

? t30/69,k/11

30/69,K/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0009562044 - Drawing available
WPI ACC NO: 1999-508392/199942
Related WPI Acc No: 1999-508391; 2004-304686; 2004-781955
XRPX Acc No: N1999-378889
Content addressable encapsulation method for identifying groupings of information
Patent Assignee: CARPENTIER P R (CARP-I); EMC CORP (EMCE-N); FILEPOOL NV (FILE-N); RIEL J F V (RIEL-I); TEUGELS T (TEUG-I); VAN RIEL J F (VRIE-I); WAVE RES NV (WAVE-N)
Inventor: CARPENTIER P R; RIEL J F V; TEUGELS T; VAN RIEL J F; VAN R J F
Patent Family (19 patents, 82 countries)
Patent Application
Number Kind Date Number Kind Date Update
WO 1999038093 A1 19990729 WO 1999IB96 A 19990123 199942 B
AU 199918861 A 19990809 AU 199918861 A 19990123 200001 E
EP 1049988 A1 20001108 EP 199900240 A 19990123 200062 E
WO 1999IB96 A 19990123
JP 2002501255 W 20020115 WO 1999IB96 A 19990123 200207 E

EP 1049988	B1	20020904	JP 2000528929	A	19990123		
			EP 1999900240	A	19990123	200266	E
DE 69902749	E	20021010	WO 1999IB96	A	19990123		
			DE 69902749	A	19990123	200274	E
			EP 1999900240	A	19990123		
AU 762283	B	20030619	WO 1999IB96	A	19990123		
US 20040068652	A1	20040408	AU 199918861	A	19990123	200351	E
			US 199872316	P	19980123	200428	E
			US 1999236366	A	19990121		
US 6807632	B1	20041019	US 2003673356	A	20030926		
US 20050010792	A1	20050113	US 1999236366	A	19990121	200477	NCE
			US 199872316	P	19980123	200506	E
			US 1999236366	A	19990121		
US 20050010793	A1	20050113	US 2004893839	A	20040719		
			US 199872316	P	19980123	200506	E
			US 1999236366	A	19990121		
US 20050010794	A1	20050113	US 2004894284	A	20040719		
			US 199872316	P	19980123	200506	E
			US 1999236366	A	19990121		
US 20050044417	A1	20050224	US 2004894450	A	20040719		
			US 199872316	P	19980123	200515	E
			US 1999236366	A	19990121		
US 20050187902	A1	20050825	US 2004894330	A	20040719		
			US 199872316	P	19980123	200556	E
			US 1999236366	A	19990121		
			US 2004893839	A	20040719		
			US 2004894284	A	20040719		
			US 2004894330	A	20040719		
			US 2004894450	A	20040719		
US 20050234996	A1	20051020	US 2005105951	A	20050414		
			US 199872316	P	19980123	200569	E
			US 1999236366	A	19990121		
			US 2004893839	A	20040719		
			US 2004894284	A	20040719		
			US 2004894330	A	20040719		
			US 2004894450	A	20040719		
			US 2005105951	A	20050414		
			US 2005151619	A	20050613		
US 20050283496	A1	20051222	US 199872316	P	19980123	200603	E
			US 1999236366	A	19990121		
			US 2003673356	A	20030926		
			US 2005196928	A	20050804		
			US 2005197854	A	20050805		
			US 2005210477	A	20050824		
JP 2006338679	A	20061214	JP 2000528929	A	19990123	200701	E
			JP 2006198163	A	20060720		
JP 2006338680	A	20061214	JP 2000528929	A	19990123	200701	E
			JP 2006198164	A	20060720		
CA 2318908	C	20070403	CA 2318908	A	19990123	200726	E
			WO 1999IB96	A	19990123		

Priority Applications (no., kind, date): US 199872316 P 19980123; US 1999236366 A 19990121; US 2003673356 A 20030926; US 2004893839 A 20040719; US 2004894284 A 20040719; US 2004894330 A 20040719; US 2004894450 A 20040719; US 2005105951 A 20050414; US 2005151619 A 20050613; US 2005196928 A 20050804; US 2005197854 A 20050805; US 2005210477 A 20050824

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1999038093	A1	EN	51	9	

National Designated States, Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT UA UG US UZ VN YU ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH
GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
AU 199918861 A EN Based on OPI patent WO 1999038093
EP 1049988 A1 EN PCT Application WO 1999IB96
Based on OPI patent WO 1999038093
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LU MC NL PT SE
JP 2002501255 W JA 55 PCT Application WO 1999IB96
Based on OPI patent WO 1999038093
EP 1049988 B1 EN PCT Application WO 1999IB96
Based on OPI patent WO 1999038093
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LU MC NL PT SE
DE 69902749 E DE Application EP 1999900240
PCT Application WO 1999IB96
Based on OPI patent EP 1049988
Based on OPI patent WO 1999038093
Previously issued patent AU 9918861
AU 762283 B EN
US 20040068652 A1 EN 19 Based on OPI patent WO 1999038093
Related to Provisional US 199872316
Continuation of application US
1999236366
US 6807632 B1 EN 20
US 20050010792 A1 EN Related to Provisional US 199872316
Continuation of application US
1999236366
US 20050010793 A1 EN Continuation of patent US 6807632
Related to Provisional US 199872316
Continuation of application US
1999236366
US 20050010794 A1 EN Continuation of patent US 6807632
Related to Provisional US 199872316
Continuation of application US
1999236366
US 20050044417 A1 EN Continuation of patent US 6807632
Related to Provisional US 199872316
Continuation of application US
1999236366
US 20050187902 A1 EN Continuation of patent US 6807632
Related to Provisional US 199872316
Continuation of application US
1999236366
Continuation of application US
2004893839
Continuation of application US
2004894284
Continuation of application US
2004894330
Continuation of application US
2004894450
US 20050234996 A1 EN Continuation of patent US 6807632
Related to Provisional US 199872316
Continuation of application US
1999236366
Continuation of application US
2004893839
Continuation of application US
2004894284
Continuation of application US
2004894330
Continuation of application US
2004894450

2005105951				Continuation of application US
US 20050283496	A1	EN		Continuation of patent US 6807632 Related to Provisional US 199872316 Continuation of application US
1999236366				Continuation of application US
2003673356				Continuation of application US
2005196928				Continuation of application US
2005197854				Continuation of application US
JP 2006338679	A	JA	26	Continuation of patent US 6807632 Division of application JP 2000528929
JP 2006338680	A	JA	24	Division of application JP 2000528929
CA 2318908	C	EN		PCT Application WO 1999IB96 Based on OPI patent WO 1999038093

Alerting Abstract WO A1

NOVELTY - The computer system has large collections of files that may be copied or backed up in related groups. The identification system collects (102) the related files and forms a unique identifier (104) for each using a cryptographic hash function. A descriptor file can be created (106) with additional meta-data. This file has a cryptographic has identifier formed for it (110) and the unique identifier converted to an ASCII string. This is combined with a location to act as an electronic paper clip.

USE - Relating and locating copies of identical data sets

ADVANTAGE - Ensures the information sets are unique identified hence correctly searchable for and recoverable from copy or backup locations

DESCRIPTION OF DRAWINGS - Identifying functions

102-108 Collect and form unique identifier for information set

110-114 generate a unique identifier for set

Title Terms/Index Terms/Additional Words: CONTENT; ADDRESS; ENCAPSULATE; METHOD; IDENTIFY; GROUP; INFORMATION

Class Codes

International Classification (Main): G06F-012/00, G06F-017/30

(Additional/Secondary): G06F-013/00, G09C-001/00, H04L-029/06

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0012/00	A	I	F	R	20060101
G06F-0013/00	A	I	L	R	20060101
G06F-0017/00	A	I		R	20060101
G06F-0017/30	A	I		R	20060101
G06F-0021/24	A	I	F	B	20060101
G06F-0003/06	A	I	L	B	20060101
G06F-0007/00	A	I		R	20060101
G09C-0001/00	A	I	L	R	20060101
H04L-0012/18	A	I		R	20060101
H04L-0029/06	A	I		R	20060101
H04L-0029/08	A	N		R	20060101
H04L-0009/00	A	I		R	20060101
G06F-0017/30	A	I	F		20060101
G06F-0012/00	C	I	L	R	20060101
G06F-0013/00	C	I	L	R	20060101
G06F-0017/00	C	I		R	20060101
G06F-0017/30	C	I		R	20060101
G06F-0021/00	C	I	F	B	20060101
G06F-0003/06	C	I	L	B	20060101
G06F-0007/00	C	I		R	20060101
G09C-0001/00	C	I	L	R	20060101

H04L-0012/18 C I R 20060101
 H04L-0029/06 C I R 20060101
 H04L-0029/08 C N R 20060101
 H04L-0009/00 C I R 20060101
 G06F-0017/30 C I 20060101
 US Classification, Issued: 713168000, 713193000, 713193000, 713193000,
 713201000, 707001000, 707104100, 707103R00, 713170000, 713176000,
 713180000, 713193000, 380028000, 705051000, 713165000
 File Segment: EngPI; EPI;
 DWPI Class: T01; W01; P85
 Manual Codes (EPI/S-X): T01-D01; T01-J05B; T01-J05B2B; W01-A05; W01-A07G
 Original Publication Data by Authority

Original Abstracts:

...is generated that is computed from the asset list (108). The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...it has the data. Requests for data are implemented by broadcasting a cryptographic hash data identifier of the data file needed. The data identifier is used by a silo to determine which data to receive and store. A silo includes a network interface , a digital asset collector, an asset request list, asset storage , an asset identifier processor and an asset supplier. The asset identifier processor computes a cryptographic hash asset identifier...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval . The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...it has the data. Requests for data are implemented by broadcasting a cryptographic hash data identifier of the data file needed. The data identifier is used by a silo to determine which data to receive and store. A silo includes a network interface , a digital asset collector, an asset request list, asset storage , an asset identifier processor and an asset

supplier. The asset identifier processor computes a cryptographic hash asset identifier...

...identifier is generated that is computed from the asset list. The asset list identifier is stored for later retrieval. The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

...is generated that is computed from the asset list (108). The asset list identifier is stored for later retrieval. The assets selected are also stored for safekeeping either locally or on a computer network. In the event of loss of...

Claims:

...digital assets; and(B2) performing a determination via the second node to determine whether the second node stores the at least one of the plurality of digital assets...

? t30/69,k/18

30/69,K/18 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0008967557 - Drawing available
WPI ACC NO: 1998-520710/ 199844
Related WPI Acc No: 1997-535329; 1998-609845
XRPX Acc No: N1998-406722
Non-uniform data records storing method in data processing system -
involves storing data fields associated with free-form field information
having type which is uniform from one record to another
Patent Assignee: STARFISH SOFTWARE INC (STAR-N)
Inventor: FREUND G P; KAHN P R; LEE S
Patent Family (1 patents, 1 countries)
Patent
Number Kind Date Number Kind Date Update
US 5809497 A 19980915 US 1995451734 A 19950526 199844 B
US 1997958502 A 19971027

Priority Applications (no., kind, date): US 1995451734 A 19950526; US
1997958502 A 19971027

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5809497	A	EN	27	8	Division of application US 1995451734

Division of patent US 5682524

Alerting Abstract US A

The method involves storing single data record information from data fields of each non-uniform data records together in a single free-form field of a single database table. A set of field descriptors are stored for describing each group of similar data records.

The data fields associated with free-form field information having a type which is uniform from one record to another is stored.

USE - For computer system.

ADVANTAGE - Improves non-uniform information storing efficiency.

Title Terms/Index Terms/Additional Words: NON; UNIFORM; DATA; RECORD;
STORAGE; METHOD; PROCESS; SYSTEM; FIELD; ASSOCIATE; FREE; FORM;
INFORMATION; TYPE; ONE

Class Codes

International Classification (Main): G06F-017/30
US Classification, Issued: 707002000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2; T01-J05B2B

Alerting Abstract ...with free-form field information having a type which is uniform from one record to another is stored .

Original Publication Data by Authority

Original Abstracts:

...embodiment includes a Databank system having a Database Engine, a Database Engine API (Application Program Interface), a Databank Engine, a Databank Engine Class Interface, and a Databank (storage). The Databank storage itself comprises a Descriptor Table (Form Definition) and a Data Repository . The Descriptor Table comprises a plurality of field descriptors for characterizing user information stored in the Databank . The Data Repository , on the other hand, stores the actual data from the non-uniform data records. It comprises "static" fields and a "dynamic" field. The static...

...The system correctly interprets the dynamic contents based on the information stored in the descriptors. Methods are described for storing and retrieving information from the Databank in a manner which is transparent to clients, thus allowing the Databank subsystem to easily replace existing storage subsystems. Basic Derwent Week: 199844
? t30/69,k/23

30/69,K/23 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0008417795 - Drawing available
WPI ACC NO: 1997-535329/ 199749
Related WPI Acc No: 1998-520710; 1998-609845
XRPX ACC No: N1997-445746

Dissimilar data record storage for user information - involves storing records as databank record comprising static fields in single table with dynamic fields storing differences in data types between fields and descriptor table categorising fields

Patent Assignee: STARFISH SOFTWARE INC (STAR-N)

Inventor: FREUND G P; KAHN P R; LEE S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5682524	A	19971028	US 1995451734	A	19950526	199749 B

Priority Applications (no., kind, date): US 1995451734 A 19950526

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5682524	A	EN	29	8	

Alerting Abstract US A

The data record storage method involves creating a descriptor table storing an entry characterizing the data fields of each type of the data records. Each of the data records is stored as a databank record in a single database table. The databank table comprises a set of static fields storing information for characterizing each of the data records, regardless of the particular type of data fields which comprise a given record.

A single dynamic field has numerous contiguous logical fields, each logical field storing information from a data field of the at least one data record which is different from another of the data records, so that the databank table stores all the data records regardless of differences in

types of data fields between individual ones of the data records. The descriptor table stores a default value for each type of data field.

ADVANTAGE - Stores non-similar records in fashion not incurring substantial overhead or performance penalty while preserving traditional database functionality.

Title Terms/Index Terms/Additional Words: DISSIMILAR; DATA; RECORD; STORAGE ; USER; INFORMATION; COMPRISE; STATIC; FIELD; SINGLE; TABLE; DYNAMIC; DIFFER; TYPE; DESCRIBE

Class Codes

International Classification (Main): G06F-017/30

US Classification, Issued: 395605000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B2B; T01-J05B4M; T01-J12D

Original Publication Data by Authority

Original Abstracts:

...embodiment includes a Databank system having a Database Engine, a Database Engine API (Application Program Interface), a Databank Engine, a Databank Engine Class Interface, and a Databank (storage). The Databank storage itself comprises a Descriptor Table (Form Definition) and a Data Repository . The Descriptor Table comprises a plurality of field descriptors for characterizing user information stored in the Databank . The Data Repository , on the other hand, stores the actual data from the non-uniform data records. It comprises "static" fields and a "dynamic" field. The static...

...The system correctly interprets the dynamic contents based on the information stored in the descriptors. Methods are described for storing and retrieving information from the Databank in a manner which is transparent to clients, thus allowing the Databank subsystem to easily replace existing storage subsystems.

Claims:

...one data record which is different from another of said data records, so that said databank table stores all said data records regardless of differences in types of data fields between individual ones...

Basic Derwent Week: 199749

? t30/69,k/32

30/69,K/32 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0005706166 - Drawing available

WPI ACC NO: 1991-319003/ 199144

XRPX Acc No: N1991-244544

Network and memory system interface - transfers data between network and attached memory under control of system management module

Patent Assignee: NAT SEMICONDUCTOR CORP (NASC)

Inventor: BRIEF D C; DAVID; DESMOND; HAMSTRA J R; MARK; TRAVAGLIO M A;

TRAVAQLIO M A; YOUNG D W

Patent Family (18 patents, 9 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 453863	A	19911030	EP 1991105583	A	19910409	199144 B
JP 4229350	A	19920818	JP 1991126897	A	19910430	199239 E
EP 453863	A3	19940406	EP 1991105583	A	19910409	199522 E
US 5487152	A	19960123	US 1990516245	A	19900427	199610 E
			US 1992989942	A	19921210	

US 5511166	A	19960423	US 1993141472	A	19931022		
			US 1994308635	A	19940919		
			US 1990516245	A	19900427	199622	E
			US 1992989942	A	19921210		
			US 1993146730	A	19931029		
US 5513320	A	19960430	US 1995512562	A	19950808		
			US 1990516245	A	19900427	199623	E
			US 1992989942	A	19921210		
			US 1993144391	A	19931027		
			US 1994321458	A	19941011		
US 5600799	A	19970204	US 1995521274	A	19950830		
			US 1990516245	A	19900427	199711	E
			US 1992989942	A	19921210		
			US 1993144467	A	19931027		
			US 1994334857	A	19941104		
US 5608869	A	19970304	US 1995539422	A	19951005		
			US 1990516245	A	19900427	199715	E
			US 1992989942	A	19921210		
			US 1993144124	A	19931027		
US 5619651	A	19970408	US 1994357772	A	19941216		
			US 1990516245	A	19900427	199720	E
			US 1992989942	A	19921210		
			US 1993141862	A	19931022		
			US 1994350708	A	19941207		
			US 1995513672	A	19950804		
US 5619652	A	19970408	US 1990516245	A	19900427	199720	E
			US 1992989942	A	19921210		
			US 1993144994	A	19931028		
			US 1994343356	A	19941122		
			US 1995541222	A	19951012		
KR 240726	B1	20000115	KR 19916778	A	19910426	200116	E
KR 240727	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918421	A	19990521		
KR 240728	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918422	A	19990521		
KR 240729	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918424	A	19990521		
KR 240730	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918426	A	19990521		
KR 240731	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918428	A	19990521		
KR 240732	B1	20000315	KR 19916778	A	19910426	200122	E
			KR 199918429	A	19990521		
JP 3436543	B2	20030811	JP 1991126897	A	19910430	200354	E

Priority Applications (no., kind, date): US 1995541222 A 19951012; US 1995539422 A 19951005; US 1995521274 A 19950830; US 1995512562 A 19950808; US 1995513672 A 19950804; US 1994357772 A 19941216; US 1994350708 A 19941207; US 1994343356 A 19941122; US 1994334857 A 19941104; US 1994321458 A 19941011; US 1994308635 A 19940919; US 1993146730 A 19931029; US 1993144994 A 19931028; US 1993144467 A 19931027; US 1993144391 A 19931027; US 1993144124 A 19931027; US 1993141862 A 19931022; US 1993141472 A 19931022; US 1992989942 A 19921210; US 1990516245 A 19900427

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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EP 453863

A

EN

Regional Designated States, Original: BE DE FR GB IT LU NL

JP 4229350

A

JA

69

EP 453863

A3

EN

US 5487152

A

EN

77

Continuation of application US

1990516245

Division of application US 1992989942

	1993141472					Continuation of application	US
US	5511166	A	EN	75		Continuation of application	US
	1990516245					Division of application	US 1992989942
						Continuation of application	US
	1993146730						
US	5513320	A	EN	75		Continuation of application	US
	1990516245					Division of application	US 1992989942
						Continuation of application	US
	1993144391					Continuation of application	US
	1994321458						
US	5600799	A	EN	75	30	Continuation of application	US
	1990516245					Division of application	US 1992989942
						Continuation of application	US
	1993144467					Continuation of application	US
	1994334857						
US	5608869	A	EN	75	30	Continuation of application	US
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						Continuation of application	US
	1993144124						
US	5619651	A	EN	74	30	Continuation of application	US
	1990516245					Division of application	US 1992989942
						Continuation of application	US
	1993141862					Continuation of application	US
	1994350708						
US	5619652	A	EN	75	30	Continuation of application	US
	1990516245					Division of application	US 1992989942
						Continuation of application	US
	1993144994					Continuation of application	US
	1994343356						
KR	240727	B1	KO			Division of application	KR 19916778
KR	240728	B1	KO			Division of application	KR 19916778
KR	240729	B1	KO			Division of application	KR 19916778
KR	240730	B1	KO			Division of application	KR 19916778
KR	240731	B1	KO			Division of application	KR 19916778
KR	240732	B1	KO			Division of application	KR 19916778
JP	3436543	B2	JA	70		Previously issued patent	JP 04229350

Alerting Abstract EP A

The interface system transfers information between a local area network and a system memory associated with a station on the network. It includes a bus interface unit (18, 20), an indicate module (12), a request module (14), and a status generation-space management module (16).

The bus interface unit transfers information between the system and memory, via the indicate and request modules. The status generation-space management module monitors the status of the system, generates status signals and manages the allocation of storage space in the memory system for information transferred.

ADVANTAGE - Reduces chance of dropped frames due to long bus latency and permits design flexibility as receive FIFO may be any depth. @(96pp Dwg.No.3,4/30)@

Title Terms/Index Terms/Additional Words: NETWORK; MEMORY; SYSTEM; INTERFACE; TRANSFER; DATA; ATTACH; CONTROL; MANAGEMENT; MODULE

Class Codes

International Classification (Main): G06F-013/00, G06F-013/38, G06F-015/173, H04L-012/28, H04L-029/10

(Additional/Secondary): G06F-003/00, H04J-003/24, H04L-012/42, H04L-012/46, H04L-029/06

US Classification, Issued: 395200010, 364242940, 364242950, 364260000, 364260100, 364240100, 364240500, 364DIG001, 370060000, 395200080, 395306000, 395200200, 395200150, 364242940, 364242900, 364244300, 364DIG001, 364242950, 395200010, 395200080, 395825000, 364242940, 364242950, 364239000, 364239900, 364DIG001, 395280000, 395200200, 395200150, 370419000, 370463000, 395200010, 370463000, 364242940, 364242950, 364260000, 364260100, 364DIG001, 395200200, 395200080, 395853000, 395200200, 395200010, 395200080, 370419000, 370463000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C; T01-H07; T01-H07B; W01-A03A3; W01-A06B2; W01-A06C1; W01-A06X; W01-A07

Original Publication Data by Authority

Claims:

...frame segments having identifiable boundaries therebetween, and wherein the memory system includes a plurality of separate storage areas, the interface system comprising: a bus interface unit connectable to the network station for transferring information frames between the interface system and the memory system; indicate circuitry connected to the ...

...adjacent frame segments of an information frame prior to transfer of the information frame to the system memory via the bus interface unit; and segment transfer control circuitry connected to the frame segment...

...area of the memory system and the second of the adjacent frame segments to a second storage area of the memory system different from the first storage area.

...

...receive channels for connection between the bus interface unit and the memory system; for each receive channel, an associated pool space descriptor queue connected to said receive channel for storing destination information that indicates where frame data information transferred from the communications medium to the memory system via said receive channel is to be stored in the memory system; and for...

...A method of processing information descriptors in an interface system connected between a local area network communications medium and a network station, wherein the interface system transfers information objects between the communications medium and a memory system associated with the network station, each information including one or more parts described by an information descriptor associated with said part, and

wherein the interface system includes a bus interface unit that connects to the network station for transferring information objects between the interface system and the memory system, indicate circuitry connected to the bus interface unit for transferring data information objects and control information objects received by the...medium via the bus interface unit, and a status management unit that interprets control information objects received from the memory system or the communications medium, each information descriptor including one or more fields having zero value or greater than zero value, information descriptors associated with data information objects including a byte count field, the method comprising: scanning the byte...

...storage system including storage space for storing both data units and data unit descriptors, the interface system comprising: a bus interface unit adapted for connection to the host system for transferring...medium utilizing output data unit descriptors having the same format as the input data unit descriptors, the transmit interface mechanism including means for pointing to input data unit descriptors located in storage space in the system memory for use as output data unit descriptors, whereby the host system retransmits data units by pointing the transmit interface mechanism at data unit descriptors stored in the system memory without altering either data units or data unit descriptors.

An interface system connected between a local area network communications medium and a network station for transferring information...

...frame segments having identifiable boundaries therebetween, and wherein the memory system includes a plurality of separate storage areas, the interface system comprising: a bus interface unit connectable to the network station for...

...and at least one transmit channel having a higher priority than the pre-emptable transmit channel; means for pre-empting transmission of information frames on the pre-emptable transmit channel and for switching to transmission of information frames on the higher priority transmit channel in response to specified criteria; means for retaining identifier information relating to information frames transferred on the pre-emptable transmit channel; and means responsive to completion of transmission on Basic Derwent Week: 199144
?

? t37/69,k/2-4,6-8

37/69,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013658562 - Drawing available
WPI ACC NO: 2003-754744/200371
Related WPI Acc No: 2002-081656; 2003-896322
XRPX ACC No: N2003-604704

Hybrid database system for multimedia data, has table for storing extensions for object, having object identifications and attributes associated with respective object

Patent Assignee: SILICON GRAPHICS INC (SILI-N)

Inventor: MENON S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6615204	B1	20030902	US 1996644686	A	19960531	200371 B
			US 2000541531	A	20000403	

Priority Applications (no., kind, date): US 1996644686 A 19960531; US 2000541531 A 20000403

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6615204	B1	EN	32	14	C-I-P of application US 1996644686

Alerting Abstract US B1

NOVELTY - A fixed mapped table has used tables comprising identification (ID) of objects with respective asset type. A table (102) for storing extension for the objects, has tables for each asset type comprising associated object IDs and attributes. The attribute specific metadata tables (1106a-n) stores object IDs with respective attributes. A program interface automatically relates the objects in the fixed mapped table to the respective extensions through stored object IDs.

DESCRIPTION - An INDEPENDENT CLAIM is also included for method for mapping objects into a database storage.

USE - For mapping data objects e.g. multimedia data comprising voice and video e.g. animation film, computer animation film, video game, interactive movies, news clips, educational multimedia products, corporate multimedia productions, multimedia sales catalogs, still video image analog and/or off line recordings, paper drawings, video clip, scanned incline drawings, inked and printed drawings back ground, color model, inspirational artwork, three-dimensional model, X sheets and production spreadsheet created during process of multimedia productions within database storage in shared multimedia environment such as asset management system.

ADVANTAGE - Mapping is efficient. Since the extensions capture the changes and updates to objects over their life times. Hence, schema evolution problems and costs associated with the extending objects are avoided. Fixed mapping minimizes processing overhead for accessing the objects that do not change over their life times. This provides high speed database performance and high flexibility during storage, retrieval and query operations and minimizes processing penalty paid for accessing extensions. Storage space is utilized efficiently.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the hybrid database system.

1102 asset table
1104a-n,1108a-n entries
1106a-n meta data tables

Title Terms/Index Terms/Additional words: HYBRID; DATABASE; SYSTEM; DATA; TABLE; STORAGE; EXTEND; OBJECT; IDENTIFY; ATTRIBUTE; ASSOCIATE; RESPECTIVE

Class Codes

International Classification (Main): G06F-017/30

US Classification, Issued: 707003000, 707104100, 345731000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1 ; T01-J05B4F; T01-J05B4P

Alerting Abstract ...has tables for each asset type comprising associated object IDs and attributes. The attribute specific metadata tables (1106a-n) stores object IDs with respective attributes. A program interface automatically relates the objects in the fixed mapped table to the respective extensions through stored...
...change over their life times. This provides high speed database performance and high flexibility during storage, retrieval and query operations and minimizes processing penalty paid for accessing extensions. Storage space is utilized efficiently...

Class Codes

Manual Codes (EPI/S-X): T01-J05B1 ...

Original Publication Data by Authority

Claims:

...metadata table, wherein each metadata table may include a plurality of entries that include the object ID field that stores unique object ID values; a program interface for coordinating the operation of the fixed mapped table and the flexible mapped table, wherein the program interface is configured automatically to relate the objects in the fixed mapped table to the extensions...

Basic Derwent Week: 200371

37/69,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013443462 - Drawing available

WPI ACC NO: 2003-534697/ 200351

XRFX Acc No: N2003-424321

Database file retrieval method involves extracting similar or higher order keyword from database, based on which real file is extracted from file system

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Inventor: MORITA K; WADA K

Patent Family (1 patents, 1 countries)

Patent

Application

Number

Kind

Date

Number

Kind

Date

Update

JP 7210568

A

19950811

JP 199418886

A

19940119

200351 B

Priority Applications (no., kind, date): JP 199418886 A 19940119

Patent Details

Number

Kind

Lan

Pg

Dwg

Filing Notes

JP 7210568

A

JA

7

1

Alerting Abstract JP A

NOVELTY - A keyword for file retrieving is input through a user interface (3). If the input keyword does not exist, a similar or higher order keyword is extracted from a database (1) using a thesaurus (2). Based on the extracted keyword, a file is retrieved using which the real file is retrieved from the filing system (10).

USE - For retrieving a database file .
ADVANTAGE - The user can retrieve the file without input of keyword, hence file retrieval is enabled while freely designating retrieval conditions.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the file retrieving device. (Drawing includes non- English language text).

- 1 database
- 2 thesaurus
- 3 user interface
- 10 filing system

Title Terms/Index Terms/Additional Words: DATABASE; FILE; RETRIEVAL; METHOD ; EXTRACT; SIMILAR; HIGH; ORDER; KEYWORD; BASED; REAL; SYSTEM

Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1 ; T01-J05B3

Database file retrieval method involves extracting similar or higher order keyword from database, based on which real file...

Alerting Abstract ...NOVELTY - A keyword for file retrieving is input through a user interface (3). If the input keyword does not exist, a similar or higher order keyword is extracted from a database (1) using a thesaurus (2). Based on the extracted keyword, a file is retrieved using which the real file is retrieved from the filing system (10).USE - For retrieving a database file .

...

...ADVANTAGE - The user can retrieve the file without input of keyword, hence file retrieval is enabled while freely designating retrieval conditions...

...DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the file retrieving device. (Drawing includes non- English language text

Class Codes

Manual Codes (EPI/S-X): T01-J05B1 ...

... T01-J05B3

...

...

37/69,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010871158 - Drawing available
WPI ACC NO: 2001-490581/200154
Related WPI Acc No: 2000-389079; 2001-591160
XRPX Acc No: N2001-363061

Electronic document management apparatus has storage medium that stores queues used for ordering captured documents, such that queues are managed by daemons

Patent Assignee: RICOH KK (RICO); PIERSOL K (PIER-I)

Inventor: PIERSOL K; KURT P

Patent Family (5 patents, 27 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
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EP 1091304	A2	20010411	EP 2000117278	A	20000816	200154	B
JP 2001155012	A	20010608	JP 2000297861	A	20000929	200154	E
US 6978297	B1	20051220	US 1998191277	A	19981112	200601	E
			US 1999410364	A	19990930		
US 20060089983	A1	20060427	US 1998191277	A	19981112	200629	E
			US 1999410364	A	19990930		
			US 2005269962	A	20051108		
US 7213066	B2	20070501	US 1998191277	A	19981112	200730	E
			US 1999410364	A	19990930		
			US 2005269962	A	20051108		

Priority Applications (no., kind, date): US 1998191277 A 19981112; US 1999410364 A 19990930; US 2005269962 A 20051108

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1091304	A2	EN	26	9		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2001155012	A	JA	20			
US 6978297	B1	EN				C-I-P of application US 1998191277
US 20060089983	A1	EN				C-I-P of application US 1998191277
						Continuation of application US
						1999410364
						Continuation of patent US 6978297
US 7213066	B2	EN				C-I-P of application US 1998191277
						Continuation of application US
						1999410364
						Continuation of patent US 6978297
						C-I-P of patent US 7039688

Alerting Abstract EP A2

NOVELTY - A storage medium stores the queues used for ordering the captured documents. The queues are managed by daemons. A network interface receives documents captured from a device coupled to a network (100).

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. an electronic document management system;
2. and an electronic document management method.

USE - Used for performing asynchronous processing to electronic documents within a system containing at least one file management appliance. used in digital communication networks.

ADVANTAGE - Manages electronic files and documents that originate from a variety of sources with reduced user intervention. Provides a straightforward interface for efficient electronic file retrieval.

DESCRIPTION OF DRAWINGS - The figure shows the network system containing a file management appliance.

100 Network

Title Terms/Index Terms/Additional Words: ELECTRONIC; DOCUMENT; MANAGEMENT; APPARATUS; STORAGE; MEDIUM; QUEUE; ORDER; CAPTURE

Class Codes

International Classification (Main): G06F-015/173

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0012/00	A	I	L	R	20060101
G06F-0015/173	A	I	F	B	20060101
G06F-0017/21	A	I	F	R	20060101
G06F-0017/30	A	I		R	20060101
G06F-0012/00	C	I	L	R	20060101
G06F-0015/16	C	I	F	B	20060101
G06F-0017/21	C	I	F	R	20060101

G06F-0017/30 C I R 20060101
G06F-0015/16 C I B 20060101
US Classification, Issued: 709223000, 709223000, 709232000, 709220000,
707003000, 707010000, 709223000, 709232000, 709220000, 707003000,
707010000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F02A; T01-F02C; T01-F05E ; T01-J05B2

Alerting Abstract ...a variety of sources with reduced user intervention.
Provides a straightforward interface for efficient electronic file
retrieval .

Class Codes
...Manual Codes (EPI/S-X): T01-F05E

Original Publication Data by Authority

Claims:
...command by a user to the first device;a storage medium coupled with the
network interface having one or more queues to store the captured
documents; anda processor coupled with the storage medium to manage the one
or more queues by maintaining one or more metadata files having
attributes corresponding to capture of the electronic document, wherein the
processor executes one or...

...command by a user to the first device;a storage medium coupled with the
network interface having one or more queues to store the captured
document; anda prosscossor coupled with the storage medium to manage the one
or more queues by maintaining one or more metadata files having
attributes corresponding to the electronic document, and to manage
processes that operate on the...

37/69,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010356201 - Drawing available
WPI ACC NO: 2000-671830/200065
XRPX Acc No: N2001-012554
File system metadata extending system for handling requests in accessing
metadata and client data, has format agent units that access metadata
attribute storage media to fulfill requests from clients
Patent Assignee: APPLE COMPUTER INC (APPY)
Inventor: BRUFFEY B M; KAIN W P
Patent Family (1 patents, 1 countries)
Patent Application
Number Kind Date Number Kind Date Update
US 6119118 A 20000912 US 1996644872 A 19960510 200065 B
US 1999324472 A 19990601

Priority Applications (no., kind, date): US 1996644872 A 19960510; US
1999324472 A 19990601

Patent Details
Number Kind Lan Pg Dwg Filing Notes
US 6119118 A EN 74 13 C-I-P of application US 1996644872

Alerting Abstract US A
NOVELTY - The system uses a dispatcher (300) to receive the request from
interface units (310) and route the request to format agent units (320).

The format agent units access metadata attribute storage media (350) to fulfill portions of the request regarding metadata attributes not included in the associated format of a managed file system.

DESCRIPTION - The format agent units are used for managing the file system. The interface units receive the request from a client. INDEPENDENT CLAIMS are also included for the following:

- 1.the file manager;
- 2.and the handling of requests from client for accessing metadata and client data from file system with associated format.

USE - For handling requests from client to access metadata and client data from one file system with associated containing specific metadata.

ADVANTAGE - Provides multi-instance, name-space and content extensible file system metadata for multiple format-specific file systems, such that both clients and file manager can assign instance discriminants. Provide interchangeability of file systems so that file system can be returned to original machine for which it was intended to be used. Has objects and ports used to establish communication between various components of file manager.

DESCRIPTION OF DRAWINGS - The figure shows the general block diagram of a file manager.

- 300 Dispatcher
- 310 Interface units
- 320 Format agent units
- 350 Metadata attribute storage media

Title Terms/Index Terms/Additional Words: FILE; SYSTEM; EXTEND; HANDLE; REQUEST; ACCESS; CLIENT; DATA; FORMAT; AGENT; UNIT; ATTRIBUTE; STORAGE; MEDIUM

Class Codes

International Classification (Main): G06F-017/30

US Classification, Issued: 707010000, 707001000, 709217000, 709302000, 709303000

File Segment: EPI;

DWPI Class: T01; T03

Manual Codes (EPI/S-X): T01-F02A1; T01-F05E ; T01-F05G5; T03-A08A; T03-A10E1; T03-N01

...NOVELTY - The system uses a dispatcher (300) to receive the request from interface units (310) and route the request to format agent units (320). The format agent units access metadata attribute storage media (350) to fulfill portions of the request regarding metadata attributes not included in the...

Class Codes

...Manual Codes (EPI/S-X): T01-F05E

Original Publication Data by Authority

Original Abstracts:

In a computer, a system and a method handle requests from a client for accessing metadata attributes from at least one file system having an associated format containing specific metadata attributes. A format agent manages the file system. A client's request is received at an interface and forwarded to a dispatcher. The dispatcher routes the request to the format agent. The...

...part of the file system's associated format, the format agent accesses a metadata attribute store to retrieve the metadata attribute data needed

to fulfill the request. The requested metadata attribute data is...

Claims:

...metadata, the system comprising: format agent means for managing said at least one file system; interface means for receiving a request from said client; dispatch means for receiving the request from said interface means and routing said request to said format agent means; and metadata attribute storage means for storing metadata attribute data, wherein said format agent means accesses said metadata attribute storage means to fulfill portions of said request regarding metadata attributes which are not included in said associated format of said at least one file system. Basic Derwent Week: 200065

37/69,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0010348553 - Drawing available

WPI ACC NO: 2000-663928/200064

Related WPI Acc No: 1999-302215

XRPX Acc No: N2000-491951

Digital image storage and retrieval system for multimedia application, has programmable computer to generate open space metadata from digital image and to store data in database with interface to retrieve data

Patent Assignee: EASTMAN KODAK CO (EAST)

Inventor: MEHROTRA R; ROMER D M; WARNICK J

Patent Family (1 patents, 1 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update	
US 6115717	A	20000905	US 1997786932	A	19970123	200064	B
			US 1997885481	A	19970630		

Priority Applications (no., kind, date): US 1997786932 A 19970123; US 1997885481 A 19970630

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6115717	A	EN	19	9	Continuation of application US
1997786932					

Continuation of patent US 5901245

Alerting Abstract US A

NOVELTY - The storage system has a programmable computer with software for automatically generating open space metadata with the computer from the digital image independent of manually input data. The software for storing the open space metadata with the associated image in the image database (18) is remotely located with respect to the computer.

DESCRIPTION - The system has a programmable computer to generate open space metadata which includes depictive properties of open space comprising color, texture, shape, orientation and location expressed as semantic names. The metadata has open space extent which includes spatial coordinates of a bounding shape that encompasses the identified open space. The open space openness includes a percentage occupied by the open space of a bounding shape that encompasses the open space. The open space color range includes a range of color component pixel values of the open space. The generating software includes program for generating an open space map (14) and for user verification of the open space metadata. An INDEPENDENT CLAIM is also included for system for retrieval of images from the image database.

USE - For multimedia application.

ADVANTAGE - Allows for more efficient browsing of contents of image collections for images containing open space which meets a specific open space requirement.

DESCRIPTION OF DRAWINGS - The figure shows the system for storing and

retrieving images from a database .

14 Open space map

18 Image database

Title Terms/Index Terms/Additional Words: DIGITAL; IMAGE; STORAGE;
RETRIEVAL; SYSTEM; APPLY; PROGRAM; COMPUTER; GENERATE; OPEN; SPACE; DATA;
DATABASE; INTERFACE

Class Codes

International Classification (Main): G06F-017/30

US Classification, Issued: 707102000, 707104000, 345503000, 382190000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B3 ; T01-J05B4F; T01-J10A2

Digital image storage and retrieval system for multimedia application,
has programmable computer to generate open space metadata from digital
image and to store data in database with interface to retrieve data

Original Titles:

System and method for open space metadata-based storage and retrieval
of images in an image database .

Alerting Abstract ...verification of the open space metadata. An
INDEPENDENT CLAIM is also included for system for retrieval of images
from the image database .

...

...DESCRIPTION OF DRAWINGS - The figure shows the system for storing and
retrieving images from a database .

Class Codes

Manual Codes (EPI/S-X): T01-J05B3 ...

Basic Derwent Week: 200064...

37/69,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010313538 - Drawing available

WPI ACC NO: 2000-627655/200060

XRPX ACC No: N2000-465000

Information retrieval system using natural language queries in Internet,
analyzes language based database and natural language query to generate
database keywords and query keywords, respectively

Patent Assignee: NOVELL INC (NOVE-N)

Inventor: AKKER D V D; DE BIE P; DE HITA C R; DEUN K V; GOVAERS E C E;

LAVIOLETTE S; MACPHERSON M; PLATTEAU F M J

Patent Family (1 patents, 1 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
US 6081774	A	20000627	US 1997916628	A	19970822	200060 B

Priority Applications (no., kind, date): US 1997916628 A 19970822

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6081774	A	EN	41	19	

Alerting Abstract US A

NOVELTY - A non-real time development system (102) and a real time retrieval system (104) morphologically, syntactically and linguistically analyze a language based database and natural language query, respectively to generate one or more database keywords and query keywords, respectively. The database and query keywords represent content of language based database and natural language query (160), respectively.

DESCRIPTION - The non-real time development system creates a database index (130) having one or more content based keywords of the database, automatically. The real time retrieval system searches the index for query keywords derived from natural language query based on user's queries. The non-real time development system comprises a software developer's kit for creating database index, utilizing a pattern dictionary that includes synonyms and skipwords. A morphous syntactic dictionary in the system includes morphological and syntactic information for words in the natural language of language based database and natural language query. The real time retrieval system has a natural language interface (170) that creates one or more query keywords utilizing pattern and morphosyntactic dictionaries. A query index matcher matches one or more query keywords with one or more database keywords.

USE - For retrieving information from language based database using natural language queries in Internet and intranet.

ADVANTAGE - Enables any software developer to add information retrieval system to pre-existing software application to provide a user interface that enables user to develop a query in natural language. The software developer's kit enables software developers to add natural language interface and associated information retrieval capability to existing software application without any development work.

DESCRIPTION OF DRAWINGS - The figure shows functional block diagram of information retrieval system.

- 102 Non-real time development system
- 104 Real time retrieval system
- 130 Database index
- 160 Natural language query
- 170 Natural language interface

Title Terms/Index Terms/Additional Words: INFORMATION; RETRIEVAL; SYSTEM; NATURAL; LANGUAGE; QUERY; BASED; DATABASE; GENERATE; KEYWORD; RESPECTIVE

Class Codes

International Classification (Main): G06F-017/27

(Additional/Secondary): G06F-007/00

US Classification, Issued: 704009000, 707003000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1; T01-J05B3

Information retrieval system using natural language queries in Internet, analyzes language based database and natural language query to generate database keywords and query keywords, respectively

Alerting Abstract ...and a real time retrieval system (104) morphologically, syntactically and linguistically analyze a language based database and natural language query, respectively to generate one or more database keywords and query keywords, respectively. The database and query keywords represent content of language based database and natural language query (160), respectively....system creates a database index (130) having one or more content based keywords of the database, automatically. The real time retrieval system searches the index for query keywords derived from natural language query based on user...

...system includes morphological and syntactic information for words in the natural language of language based database and natural language query.

The real time retrieval system has a natural language interface (170) that creates one or more query keywords utilizing pattern and morphosyntactic dictionaries. A query index matcher matches one or more query keywords with one or more database keywords .

...

...USE - For retrieving information from language based database using natural language queries in Internet and intranet

Class Codes

Manual Codes (EPI/S-X): T01-J05B1 ...

... T01-J05B3

Original Publication Data by Authority

Original Abstracts:

An information retrieval system that represents the content of a language-based database being searched as well as the user's natural language query. In accordance with one aspect of...

...automatically creating a database index having one or more content-based database keywords of the data base ; and a real-time retrieval system that, in response to a user's natural language query, searches the keyword index...

...language query. The development system and the retrieval system morphologically, syntactically and linguistically analyze the data base and the natural language query , respectively, to generate the one or more database keywords and query keywords representing the content of the database and the natural language query , respectively. The development system includes a software development system for creating the database index utilizing...

...includes morphological and syntactic information for words in the natural language of the language-based database and the natural language query . In one embodiment, the retrieval system includes a natural language interface system for creating the...

Claims:

An information retrieval system using natural language queries to retrieve information from a language-based database containing one or more files, comprising: a non-real-time development system for automatically creating a database index having one or more content-based database keywords of the database ; and a real-time retrieval system that, in response to a user's natural language queries , searches said database index for one or more content-based query keywords derived from a natural language query, wherein said development system and said retrieval system morphologically, syntactically and linguistically analyze said language-based database and said natural language query , respectively, to generate said one or more database keywords and query keywords representing the content of said language-based database and said natural language query , respectively. Basic Derwent Week: 200060 ? t37/69,k/13-14

37/69,K/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0007486040 - Drawing available
WPI ACC NO: 1996-097341/ 199610
Related WPI ACC No: 1996-362846; 1996-277993
XRPX Acc No: N1996-081300
End user guidance query facility for database - has semantic extractor

storing item key-types and linkages with for inference engine search using user entered extraction information to give desired information

Patent Assignee: CHENG V C H (CHEN-I)

Inventor: CHENG V C H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5487132	A	19960123	US 1992846522	A	19920304	199610 B
			US 1993154343	A	19931117	
			US 1994348742	A	19941130	

Priority Applications (no., kind, date): US 1992846522 A 19920304; US 1993154343 A 19931117; US 1994348742 A 19941130

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5487132	A	EN	23	10	C-I-P of application US 1992846522
1993154343					Continuation of application US
					C-I-P of patent US 5325465

Alerting Abstract US A

The facility has a knowledge base (14) which stores key-types of items of the database files and a set of linkages of the database model. A keyword library (13) stores a set of keywords of the database model representative of items of the database files. A semantics extractor (12) reads the database model (10) and extracts the semantics of the database model. It also stores in the knowledge base the key-types of items and the set of linkages and stores the set of keywords in the keyword library. An information scout (15) interfaces with a user to obtain a designation of the information to be extracted from the database.

An inference engine (17) identifies one or more of the database files which contain the desired information and searches the knowledge base to determine the linkage(s) connecting the identified files. A program generator (18) accesses the linkages obtained by the inference engine and generates a program to extract the desired information from the database. A model purifier interfaces with a user to alter the key-types of items and the set of linkages in the knowledge base.

ADVANTAGE - Automatically understands database model. Guides user to desired information giving high productivity and ease of use.

Title Terms/Index Terms/Additional Words: END; USER; GUIDE; QUERY; FACILITY ; DATABASE; EXTRACT; STORAGE; ITEM; KEY; TYPE; LINK; INFER; ENGINE; SEARCH; ENTER; INFORMATION

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I R 20060101

G06F-0017/30 C I R 20060101

US Classification, Issued: 395063000, 395077000, 364419190

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1 ; T01-J05B3 ; T01-J16A

End user guidance query facility for database -

Alerting Abstract ...in the knowledge base the key-types of items and the set of linkages and stores the set of keywords in the keyword library. An information scout (15) interfaces with a user to obtain a designation of the information to be extracted from the...

Class Codes

Manual Codes (EPI/S-X): T01-J05B1 ...

... T01-J05B3

Original Publication Data by Authority

Original Abstracts:

...and ease of information access. The user is freed from the need to understanding the database model, with the end user query facility of this invention quickly guiding the user to acquire the information. This is made possible...

...the database. In addition, the derived semantics can be easily updated by the end user query facility when the database model is changed.
Claims:

An end user query facility for accessing a database having a plurality of database files formed using a database model, comprising: a knowledge base which stores...
...information to be extracted from said database, identifies one or more of said database files which contain the desired information and searches said knowledge base to determine the linkage(s) connecting said one or more identified files...
Basic Derwent Week: 199610

37/69,K/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0007149897 - Drawing available
WPI ACC NO: 1995-185897/ 199524
XRPX ACC No: N1995-145545
hardware accelerator for managing computer database - uses database management software for execution on central processor that requests mapping from key values to record address values by issuing requests over bus interface to search processor

Patent Assignee: PARACOM CORP (PARA-N)

Inventor: HUEI L M

Patent Family (7 patents, 57 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1995012846	A1	19950511	WO 1994US11261	A	19941004	199524 B
AU 199479657	A	19950523	AU 199479657	A	19941004	199535 E
US 5544357	A	19960806	US 1993147147	A	19931102	199637 E
			US 1995451479	A	19950526	
EP 727067	A1	19960821	EP 1994930585	A	19941004	199638 E
			WO 1994US11261	A	19941004	
BR 199407962	A	19961203	BR 19947962	A	19941004	199703 E
			WO 1994US11261	A	19941004	
JP 9507109	W	19970715	WO 1994US11261	A	19941004	199738 E
			JP 1995513213	A	19941004	
CN 1139489	A	19970101	CN 1994194672	A	19941004	199809 E

Priority Applications (no., kind, date): US 1995451479 A 19950526; US 1993147147 A 19931102

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
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WO 1995012846	A1	EN	24		
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National Designated States,Original: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT KE

	LU	MC	MW	NL	OA	PT	SD	SE	SZ	
AU	199479657				A	EN				Based on OPI patent WO 1995012846
US	5544357				A	EN	11			Continuation of application US
	1993147147									
EP	727067				A1	EN	24	4		PCT Application WO 1994US11261
										Based on OPI patent WO 1995012846
Regional Designated States, Original: DE DK ES FR GB IT NL SE										
BR	199407962				A	PT				PCT Application WO 1994US11261
										Based on OPI patent WO 1995012846
JP	9507109				W	JA	27			PCT Application WO 1994US11261
										Based on OPI patent WO 1995012846

Alerting Abstract WO A1

The hardware accelerator (120) includes a key memory (124) for storing a map of record key values to record address values, and a search processor (122) for searching the key memory (124) for a given key value and providing the associated record address value to the central processor (102). A bus interface (130) interfaces the search processor (122) and the key memory (124) to the central processor (102). Database management software (116) is executed on the central processor (102) and requests a mapping from key values to record address values by issuing requests over the interface bus (130) to the search processor (122).

The accelerator (120) also provides operations to add and delete entries in key memory (124). The accelerator (124) uses a modified binary search that is used for searching a memory in which the values of entries are not unique. The modified binary search finds the first entry in memory matching a given value.

USE/ADVANTAGE - Accelerating processing of transactions on computer databases. Database manager runs faster than database without accelerator because mapping logical key value to record address is performed without accessing disc copy of index information. Performs search and update functions at high speeds.

Title Terms/Index Terms/Additional Words: HARDWARE; ACCELERATE; MANAGE; COMPUTER; DATABASE; MANAGEMENT; SOFTWARE; EXECUTE; CENTRAL; PROCESSOR; REQUEST; MAP; KEY; VALUE; RECORD; ADDRESS; ISSUE; BUS; INTERFACE; SEARCH

Class Codes

International Classification (Main): G06F-012/00, G06F-017/30, G06F-007/08
 (Additional/Secondary): G06F-013/00, G06F-009/00
 US Classification, Issued: 395600000, 364DIG001, 364DIG002, 364958000, 364958100, 364974000, 364974600, 364252300, 364252400, 364282100, 364283100

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B2; T01-J05B3

Alerting Abstract ...map of record key values to record address values, and a search processor (122) for searching the key memory (124) for a given key value and providing the associated record address value to the central processor (102). A bus interface (130) interfaces the search processor (122) and the key memory (124) to the central processor (102). Database management software (116) is executed on the central...

...key memory (124). The accelerator (124) uses a modified binary search that is used for searching a memory in which the values of entries are not unique. The modified binary search finds the first entry in memory matching a given value...

Class Codes

...Manual Codes (EPI/S-X): T01-J05B3

Original Publication Data by Authority

Original Abstracts:

...for managing a computer database (110). The accelerator (120) includes a key memory (124) for storing a map of record key values to record address values, a search processor (122) for searching the key memory (124) for a given key value and providing the associated record address value to the central processor (102), and a bus interface (130) for interfacing the search processor (122) and the key memory (124) to the central processor (102). Database management software (116) executing on the central processor (102) requests a mapping...

...also provides operations to add and delete entries in the key memory (124). The accelerator (124) uses a modified binary search that is particularly useful for searching a memory in which the search values of the entries are not unique; the modified binary search finds the first entry in the memory matching a given value. At each iteration of the binary search, the CARRY generated by...

...database. The accelerator includes a key memory for storing a map of record key values to record address values, a search processor for searching the key memory for a given key value and providing the associated record address value to the central processor, and a bus interface for interfacing the search processor and the key memory to the central processor. Database management software executing on the central processor requests a mapping from key values to record address values by issuing requests over the bus interface to the search processor. The accelerator also provides operations to add and delete entries in the key memory. The accelerator uses a modified binary search that is particularly useful for searching a memory in which the search values of the entries are not unique; the modified binary search finds the first entry in the memory matching a given value. At each iteration of the binary search, the CARRY generated by the comparison of the probed entry to the given value is...

...for managing a computer database (110). The accelerator (120) includes a key memory (124) for storing a map of record key values to record address values, a search processor (122) for searching the key memory (124) for a given key value and providing the associated record address value to the central processor (102), and a bus interface (130) for interfacing the search processor (122) and the key memory (124) to the central processor (102). Database management software (116) executing on the central processor (102) requests a mapping from key values to record address values by issuing requests over the bus interface (130) to the search processor (122). The accelerator (120) also provides operations to add and delete entries in the key memory (124). The accelerator (124) uses a modified binary search that is particularly useful for searching a memory in which the search values of the entries are not unique; the modified binary search finds the first entry in the memory matching a given value. At each iteration of the binary search, the CARRY generated by the comparison of the probed entry to the given value is used to alter...

Claims:

...map of record key values to record address values, and a search processor (122) for searching the key memory (124) for a given key value and providing the associated record address value to the central processor (102). A bus interface (130) interfaces the search processor (122) and the key memory (124) to the central processor (102). Database management software (116) is executed on the central...

...key memory (124). The accelerator (124) uses a modified binary search that is used for searching a memory in which the values of entries are not unique. The modified binary search finds the first entry in memory matching a given value...

...key values of records of said database to record address values of said records; a search processor for searching said key memory for a given key value in response to requests from the central processor, and providing the record address value associated therewith to the central processor...

...a new map entry relating a key value of a newly-created record of said database to a record address value of said newly-created record, and for deleting a map entry from said key memory when a record is deleted from said database; a bus interface for interfacing said database accelerator to the central processor and software executing thereon; and database...

...system for providing database creation and configuration, data addition and deletion, data alteration, and data search access to the database, said database management software configured to manage databases of user-defined configuration, to request a mapping from said given key value to said record address value by issuing requests to said search processor, and to request an update of said key memory by issuing a request to said key memory manager, said requests communicated through said bus interface. ...

? t39/9/1

39/9/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05331596 **Image available**
COMMUNICATION EQUIPMENT

PUB. NO.: 08-287096 [JP 8287096 A]
PUBLISHED: November 01, 1996 (19961101)
INVENTOR(s): MINATO AKITO
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 07-093613 [JP 9593613]
FILED: April 19, 1995 (19950419)
INTL CLASS: [6] G06F-017/30 ; G06F-012/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.2
(INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)

ABSTRACT

PURPOSE: To inquire of an external database through an external communication line from an external interface by arranging the database of a key word to be used for retrieving a commercial database to a communication equipment itself.

CONSTITUTION: A user prepares the commercial database desired to communicate with by means of a key board or a mouse while looking at an input/output device 2, that is concretely a display. At this time, information on each commercial database is sent to a memory 4 or an external memory device(HDD) 3 from EPROM 6 to display a retrieving word. The user prepares a retrieving expression for obtaining information while looking at display on the display. Then the communication equipment accesses to an objective commercial database by means of prepared automatic operation information. Namely the data base of the key word to be used for retrieving the commercial database, etc., is arranged for EPROM 6 provided on an external interface board 5 so as to enable inquiry to the commercial data base through the external interface board 5.

? t39/69,k/2,9
39/69,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0010871143 - Drawing available
WPI ACC NO: 2001-490566/200154
Related WPI Acc No: 2000-319847
XRPX Acc No: N2001-363046
Data warehousing, management and privacy control system has database management system, privacy metadata system, replication system and database management system interface
Patent Assignee: NCR CORP (NATC); NCR INT INC (NATC)
Inventor: ADRIAN; VELDHUISEN A W
Patent Family (3 patents, 27 countries)
Patent Application
Number Kind Date Number Kind Date Update
EP 1089196 A2 20010404 EP 2000307035 A 20000817 200154 B
JP 2001154917 A 20010608 JP 2000298069 A 20000929 200154 E
US 6480850 B1 20021112 US 1998165784 A 19981002 200278 E
US 1999411337 A 19991001

Priority Applications (no., kind, date): US 1998165784 A 19981002; US

1999411337 A 19991001

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1089196	A2	EN	19	8		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2001154917	A	JA	17			
US 6480850	B1	EN				C-I-P of application US 1998165784 C-I-P of patent US 6253203

Alerting Abstract EP A2

NOVELTY - The system includes a database management system for storing and retrieving customer data. A privacy metadata system administers and records all customer personal data, users of the customer personal data and usage of the customer personal data.

DESCRIPTION - A replication system provides communication between the database management system and the privacy metadata system. A database management system interface coupled to the database management system controls access to the customer data and to the customer personal data through the replication system.

The replication system provides customer personal data from the database management system interface to the privacy metadata system.

USE - For providing consumer notification, access, data correction and changes of preferences for data privacy in a data warehouse system.

ADVANTAGE - Logs all access, whether granted or denied.

DESCRIPTION OF DRAWINGS - The figure shows a data warehouse system.

Title Terms/Index Terms/Additional Words: DATA; WAREHOUSE; MANAGEMENT; PRIVATE; CONTROL; SYSTEM; DATABASE; REPLICA; INTERFACE

Class Codes

International Classification (Main): G06F-012/14, G06F-017/30

(Additional/Secondary): G06F-001/00, G06F-012/00

US Classification, Issued: 707009000, 707002000, 707201000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-G05C1; T01-J05B2; T01-J05B4M; T01-J12C

Data warehousing, management and privacy control system has database management system, privacy metadata system, replication system and database management system interface

Alerting Abstract ...NOVELTY - The system includes a database management system for storing and retrieving customer data. A privacy metadata system administers and records all customer personal data, users of...

DESCRIPTION - A replication system provides communication between the database management system and the privacy metadata system. A database management system interface coupled to the database management system controls access to the customer data and to the...

Class Codes

...International Classification (Main): G06F-017/30

Original Publication Data by Authority

Claims:

A data warehousing, management, and privacy control system, comprising: a database management system, for storing and retrieving customer data; a privacy metadata system that administers and records all customer personal data, users of said customer personal data, and usage of said

customer personal data;a replication system providing communication between said database management system and said privacy metadata system; and a database management system interface operatively coupled to the database management system and controlling access to said customer data and to said customer personal data through said replication system...

...What is claimed is:1. A data warehousing, management, and privacy control system, comprising:a database management system, for storing and retrieving customer data;a privacy metadata system that administers and records all customer personal data, users of said customer personal data, and usage of said customer personal data;a replication system providing communication between said database management system and said privacy metadata system; anda database management system interface operatively coupled to the database management system and controlling access to said customer data and to said customer personal data through said replication system.

39/69,K/9 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0009418963 - Drawing available
WPI ACC NO: 1999-356417/199930
Related WPI Acc No: 2001-463297
XRPX Acc No: N1999-265251
Object state storage method in repository of custom object
Patent Assignee: MICROSOFT CORP (MICR-N)
Inventor: SANDERS P J; SHUTT D R
Patent Family (1 patents, 1 countries)
Patent Application
Number Kind Date Number Kind Date Update
US 5905987 A 19990518 US 1997822450 A 19970319 199930 B

Priority Applications (no., kind, date): US 1997822450 A 19970319

Patent Details
Number Kind Lan Pg Dwg Filing Notes
US 5905987 A EN 39 19

Alerting Abstract US A

NOVELTY - The database interface (480) has properties for defining the state of object, an interface identifier for each interface in the object and stored state identifier which enables the retrieval of stored object from repository for use by later created object.

DESCRIPTION - A database interface (480) storing a repository of stored object state (474) has a class identifier for defining the object. The retrieval of object state occurs implicitly during object navigation and explicitly by reference to stored state identifier. INDEPENDENT CLAIMS are also included for the following:

- 1.computer readable medium;
- 2.computer program product.

USE - For facilitating implementation of custom objects.

ADVANTAGE - State persistence functionality may be added easily and can provide greater functionality and extensibility to custom objects. The program code unit will interact with existing program code unit and an additional program code in order to fully implement the configuration the general purpose register.

DESCRIPTION OF DRAWINGS - The figure shows the logical diagram of a custom object including a repository.

474 Repository of stored object state

480 Database interface

Title Terms/Index Terms/Additional Words: OBJECT; STATE; STORAGE; METHOD;
REPOSITORY; CUSTOM

Class Codes

International Classification (Main): G06F-017/30
US Classification, Issued: 707103000, 707102000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05G3; T01-J05B; T01-J05B4P; T01-S02

...NOVELTY - The database interface (480) has properties for defining the state of object, an interface identifier for each interface in the object and stored state identifier which enables the retrieval of stored object from repository for use by later created object.

Class Codes

International Classification (Main): G06F-017/30

Original Publication Data by Authority

Claims:

...forming a repository for storing the state of a plurality of objects and for permitting retrieval of the stored state for use in later created objects that is independent of any underlying language used to form ...

...least one of said one or more interface means; and forming a repository of stored object states for each of said one or more objects by including in said objects a database interface means, said database interface means storing for each object : (a) said class identifier means used to instantiate said object, (b) said properties for each one or more said interface means defining the state of the object, (c) said interface identifier means for each interface means implemented in said object, and (d) a stored state identifier means for identifying the stored object state, thereby enabling said stored object state to be retrieved from said repository for use in a later created object , and thereafter enabling further use of said later created object in the state defined by said properties. Basic Derwent Week: 199930

? t39,3,k/13,18

>>>'K' not recognized as set or accession number

? t39/69,k/13,18

39/69,K/13 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008770506 - Drawing available

WPI ACC NO: 1998-313899/ 199828

XRPX Acc No: N1998-246067

Text data processing method for video signal - adding identifiers to text data extracted from video signal and to video and audio data for coupling text data to video and audio data

Patent Assignee: S3 INC (STHR-N)

Inventor: HERZ W S

Patent Family (3 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
DE 19753296	A1	19980604	DE 19753296	A	19971201	199828 B
JP 10224748	A	19980821	JP 1997333146	A	19971203	199844 E
US 5914719	A	19990622	US 1996753923	A	19961203	199931 E

Priority Applications (no., kind, date): US 1996753923 A 19961203

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
DE 19753296	A1	DE	14	7	
JP 10224748	A	JA	13		

Alerting Abstract DE A1

The method involves extracting text data from a video signal and adding identifiers to the text data which are stored. Identifiers are added to video and audio data which are stored. The adding of the video and audio identifiers couples the text data to the video and audio data.

Preferably, the stored text data are searched of text data according to an user input. The text data are recovered which match to the user input.

ADVANTAGE - Provides multimedia system which allows processing and displaying graphic, picture and vertical blanking interval data.

Title Terms/Index Terms/Additional Words: TEXT; DATA; PROCESS; METHOD; VIDEO; SIGNAL; ADD; IDENTIFY; EXTRACT; FORM; AUDIO; COUPLE

Class Codes

International Classification (Main): G06T-017/00, H04N-007/025, H04N-007/088

(Additional/Secondary): G06F-017/30, H04N-007/03, H04N-007/035
US Classification, Issued: 345418000, 345419000

File Segment: EPI;

DWPI Class: W03

Manual Codes (EPI/S-X): W03-A10G; W03-A10X

Alerting Abstract ...Preferably, the stored text data are searched of text data according to an user input. The text data are recovered which match...

Class Codes

(Additional/Secondary): G06F-017/30 ...

Original Publication Data by Authority

Original Abstracts:

...from a video signal and adds an identifier to the text data. A graphics user interface accelerator stores the text data. Concurrent with adding the identifier and the storage of the text data, the digitizer and decoder circuit adds an identifier to the video and audio data, and the graphics user interface accelerator stores the video and audio data. The identifier added to the video and audio data links such data to the associated text data. In response to a user search request, a host processor scans the stored text data for text data that matches a user selected input, and retrieves the text...

...
...

39/69,K/18 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0001800845

WPI ACC NO: 1979-E5125B/ 197920

Associative crosspoint processor system - stores key words for comparison with data words in mass storage system for information retrieval

Patent Assignee: OPERATING SYSTEMS (OPER-N)

Inventor: BIRD R M; TU J C

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 4152762	A	19790501	US 1976663524	A	19760303	197920 B
			US 1977772935	A	19770228	

Priority Applications (no., kind, date): US 1977772935 A 19770228

Alerting Abstract US A

The information retrieval system identifies and retrieves recorded information from a mass storage system for use in a central processing system. The system is an associative crosspoint processor system having an input which communicates with and receives stored information from the mass storage system (e.g. magnetic tape, magnetic or optical disc, etc.) upon command from the central processing system.

A key memory stores key words which are then compared with data words stored in the mass storage system. A pointer memory is loaded from a loading interface with the beginning key word addresses of the key words.

Title Terms/Index Terms/Additional Words: ASSOCIATE; CROSSPOINT; PROCESSOR; SYSTEM; STORAGE; KEY; WORD; COMPARE; DATA; MASS; INFORMATION; RETRIEVAL

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I R 20060101

G06F-0017/30 C I R 20060101

US Classification, Issued: 395425000, 364DIG001, 364222810, 364222820, 364238400, 364239000, 364239400, 364239600, 364240100, 364241200, 364243000, 364243200, 364244000, 364244300, 364245000, 364245100, 364248000, 364248100, 364248200, 364251000, 364251300, 364252300, 364252400, 364252600, 364253000, 364253100, 364254900, 364255000, 364255100, 364255700, 364259000, 364259200, 364259400, 364259700, 364264000, 364264600, 364271500, 365049000, 395400000

File Segment: EPI;

DWPI Class: T01; U14

...stores key words for comparison with data words in mass storage system for information retrieval

Alerting Abstract ...The information retrieval system identifies and retrieves recorded information from a mass storage system for use in a central processing system. The system is an associative crosspoint processor...

...A key memory stores key words which are then compared with data words stored in the mass storage system. A pointer memory is loaded from a loading interface with the beginning key word addresses of the key words.

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 ...

G06F-0017/30 ...

Original Publication Data by Authority

Original Abstracts:

Herein described is an information retrieval system for identifying and retrieving recorded information from a mass storage system for use in a central processing system. The described system is an associative

crosspoint...
Basic Derwent week: 197920
?

File 348:EUROPEAN PATENTS 1978-2007/ 200722

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070531UT=20070525

(c) 2007 WIPO/Thomson

Set	Items	Description
S1	422131	INTERFACE? ? OR GUI OR GUIS OR UI OR UIS OR HMI OR WIMP? ? OR USERINTERFACE?
S2	7949	METADATA OR METADATUM? OR METATAG? ? OR METAVALUE? OR META- OBJECT? ? OR METAFEATURE?
S3	3973	META()(DATA OR DATUM? ? OR TAG? ? OR VALUE? ? OR OBJECT? ? OR FEATURE? ?)
S4	140734	DATABASE? OR DATASET? OR DATABANK? OR DATASTOR? OR DATAFIL- E? OR DATADEPOSIT? OR DATAREPOSIT? OR DATALIBRAR? OR DATAMART? OR DATACOLLECT?
S5	196464	DATA()(BASE? ? OR SET? ? OR BANK? ? OR STORE? ? OR FILE? ? OR DEPOSITOR? OR REPOSITOR? OR LIBRAR??? OR MART? ? OR COLLEC- TION? ? OR ARCHIV??? OR WAREHOUS? OR STOREHOUS?)
S6	884216	STORE? ? OR STORING OR STORAGE OR MEMORY? ? OR MEMORIES
S7	104598	DEPOSITOR??? OR REPOSITOR??? OR LIBRAR???
S8	1030839	FILE? ?
S9	5306	S2:S3(5N)S4:S8
S10	101016	TAG OR TAGS
S11	122895	DESCRIPT?R? ? OR KEYFIELD? OR KEYWORD? OR IDENTIFIER? OR K- EYPHRASE? OR KEYTERM? OR KEYCONCEPT? OR KEYTOPIC?
S12	234	KEYSUBJECT? OR KEYTHEME? OR KEYID? ? OR KEYIDENTIFIER? OR - KEYDATA OR KEYDATUM? OR KEYVALUE?
S13	6566	KEY()(FIELD? ? OR WORD? ? OR PHRASE? ? OR TERM? ? OR TERMI- NOLOG??? OR CONCEPT? ? OR TOPIC?? OR SUBJECT? ?)
S14	6680	KEY()(THEME? ? OR ID? ? OR DATA OR DATUM? ? OR VALUE? ?)
S15	9115	TOI OR TOIS OR POI OR POIS
S16	38263	S10:S15(5N)S4:S8
S17	4246	(S9 OR S16)(30N)S1
S18	154109	S4:S8(5N)(SEARCH??? OR QUERY? OR QUERIE? ? OR IR OR RETRIE- V? OR INTERROGAT? OR FETCH???)
S19	811	S17(100N)S18
S20	671	S17(50N)S18
S21	47120	S4:S8(3N)SEPAR?TE??
S22	117251	(DIFFERENT OR NEW OR ADDITIONAL OR SECOND? OR 2ND OR ANOTH- ER OR ALTERNAT??? OR THIRD OR 3RD OR HETEROGEN? OR INHOMOGEN? OR OTHER)(1W)S4:S8
S23	315	S17(50N)S22
S24	81	S17(50N)S21
S25	67	S23:S24(100N)S18
S26	12	S25 AND AC=US/PR AND AY=(1963:1997)/PR
S27	12	S25 AND AC=US AND AY=1963:1997
S28	12	S25 AND AC=US AND AY=(1963:1997)/PR
S29	9	S25 AND PY=1963:1997
S30	12	S26:S29
S31	17722	IC='G06F-017/30':IC='G06F-017/32'
S32	5109	IC='G06F-0017/30'
S33	227	S19 AND S31:S32
S34	8	S33 AND AC=US/PR AND AY=(1963:1997)/PR
S35	8	S33 AND AC=US AND AY=1963:1997
S36	8	S33 AND AC=US AND AY=(1963:1997)/PR
S37	8	S33 AND PY=1963:1997
S38	9	S34:S37 NOT S30
S39	637	S17 AND S31:S32
S40	52	S39 AND AC=US/PR AND AY=(1963:1997)/PR
S41	52	S39 AND AC=US AND AY=1963:1997
S42	52	S39 AND AC=US AND AY=(1963:1997)/PR
S43	37	S39 AND PY=1963:1997
S44	48	S40:S43 NOT (S30 OR S38)

S45 48 IDPAT (sorted in duplicate/non-duplicate order)
S46 46 IDPAT (primary/non-duplicate records only)
? t46/5,k/2,14,20,40-46

46/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01203266

Methods and apparatus for storage and retrieval of name space information
in a distributed computing system

Verfahren und Vorrichtung zum Speichern und Wiederauffinden von
Informationen über den Namenraum in einem verteilten Rechnersystem

Methodes et dispositif pour le stockage et le recouvrement d'informations
concernant l'espace des noms dans un système informatique distribue

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1046990 A2 001025 (Basic)

EP 1046990 A3 001102

EP 1046990 B1 030108

APPLICATION (CC, No, Date): EP 2000117414 960410;

PRIORITY (CC, No, Date): US 424137 950417

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 738970 (EP 96302502)

INTERNATIONAL PATENT CLASS (V7): G06F-009/46; G06F-017/30

CITED PATENTS (EP B): EP 466486 A

CITED REFERENCES (EP B):

RADIA S: "Naming policies in the spring system" PROCEEDINGS. FIRST
INTERNATIONAL WORKSHOP ON SERVICES IN DISTRIBUTED AND NETWORKED
ENVIRONMENTS (CAT. NO.94TH0627-0), PROCEEDINGS OF IEEE WORKSHOP ON
SERVICES FOR DISTRIBUTED AND NETWORKED ENVIRONMENTS, PRAGUE, CZECH
REPUBLIC, 27-28 JUNE 1994, pages 164-171, XP000577565 ISBN
0-8186-5835-5, 1994, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC. PRESS,
USA

OSTERHOUT J K ET AL: "THE SPRITE NETWORK OPERATING SYSTEM" COMPUTER,
vol. 21, no. 2, 1 February 1988 (1988-02-01), pages 23-36, XP000111082

WELCH B: "A comparison of three distributed file system architectures:
vnode, Sprite, and Plan 9" COMPUTING SYSTEMS, SPRING 1994, USA, vol. 7,
no. 2, pages 175-199, XP000577569 ISSN 0895-6340

Inside Microsoft Windows NT, David A. Solomon, Microsoft Press, 2. Ed.,
publ. 1998, p. 409-413;

ABSTRACT EP 1046990 A3

A distributed computing environment is disclosed which allows a user at
one location to access resources at other locations. Each resource in the
distributed computing environment is represented as a hierarchical file
system. A user or process has a name space comprised of at least one
hierarchical file system provided by a connected resource. The
distributed computing environment allows a first processor to invoke
execution of a processing task by a remote processor. The first processor
transmits a representation of its current name space to the remote
processor. The remote processor will execute the processing task on a
name space modified in accordance with the name space representation
received from the first processor. The transmitted representation of the
name space associated with the first processor includes at least one
dynamic name space modification command, such as those executed by a user

after logging into the distributed computing system. A plurality of data structures are provided for storing path information which allows the pathname of a given channel, which represents a file, to be determined. The stored path information allows the hierarchical file tree of a connected file system to be generated.

ABSTRACT WORD COUNT: 192

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001025 A2 Published application without search report

Examination: 001025 A2 Date of request for examination: 20000824

Change: 001102 A2 International Patent Classification changed: 20000913

Search Report: 001102 A3 Separate publication of the search report

Change: 010117 A2 Inventor information changed: 20001128

Examination: 011114 A2 Date of dispatch of the first examination report: 20011002

Grant: 030108 B1 Granted patent

Oppn None: 040102 B1 No opposition filed: 20031009

Lapse: 040128 B1 Date of lapse of European Patent in a contracting state (Country, date): DE 20030409,

Lapse: 040526 B1 Date of lapse of European Patent in a contracting state (Country, date): DE 20030409, GB 20030410,

Change: 060405 B1 Title of invention (German) changed: 20060405

Change: 060405 B1 Title of invention (English) changed: 20060405

Change: 060405 B1 Title of invention (French) changed: 20060405

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200043	549
CLAIMS B	(English)	200302	555
CLAIMS B	(German)	200302	468
CLAIMS B	(French)	200302	620
SPEC A	(English)	200043	21025
SPEC B	(English)	200302	20585
Total word count - document A			21577
Total word count - document B			22228
Total word count - documents A + B			43805

...INTERNATIONAL PATENT CLASS (V7): G06F-017/30

...SPECIFICATION illustrates a mount device, suitable for use by the kernel of FIG. 4A as an interface to the devices in the distributed computing environment of FIG. 1 not implemented by the kernel;

FIG. 5 illustrates a partial view of a process data structure and a file descriptor array, suitable for storing file access information for a particular process;

FIG. 6 illustrates a channel data structure, utilized by...hides the details of sending and receiving the request and reply messages behind the procedural interface .

ACCESSING RESOURCES IN THE DISTRIBUTED SYSTEM

When a particular file is opened by a process, the kernel 400 typically assigns a file descriptor , fd, or a numeric label, to the file. In addition, the kernel 400 utilizes a...

...SPECIFICATION illustrates a mount device, suitable for use by the kernel of FIG. 4A as an interface to the devices in the distributed computing environment of FIG. 1 not implemented by the kernel;

FIG. 5 illustrates a partial view of a process data structure and a file descriptor array, suitable for storing file access information for a particular process;

FIG. 6 illustrates a channel data structure, utilized by...hides the details of sending and receiving the request and reply messages behind the procedural interface .

ACCESSING RESOURCES IN THE DISTRIBUTED SYSTEM

When a particular file is opened by a process, the kernel 400 typically assigns a file descriptor, fd, or a numeric label, to the file. In addition, the kernel 400 utilizes a...

46/5,K/14 (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00919856

Interface layer for navigation system
Zwischenebene fur Navigationssystem
Couche d'interfacage pour systeme de navigation
PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 838771 A2 980429 (Basic)
EP 838771 A3 991201
EP 838771 B1 050316

APPLICATION (CC, No, Date): EP 97308523 971024;

PRIORITY (CC, No, Date): US 740298 961025

DESIGNATED STATES: BE; CH; DE; DK; ES; FI; FR; GB; IT; LI; LU; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

INTERNATIONAL PATENT CLASS (V7): G01C-021/20; G06F-017/30

CITED PATENTS (EP B): EP 514972 A; EP 715250 A

ABSTRACT EP 838771 A2

An improved method and system that provides for a data access interface layer in a navigation system. The navigation system is of the type that includes a navigation application software program that provides navigating features to a user of the system and a geographic database stored on a computer-readable storage medium wherein the geographical database includes information relating to the geographical region about which the navigation system provides the navigation features to the user. The data access interface layer is preferably stored in the navigation system as a library of software functions. The data access interface layer operates in conjunction with the navigation system application software. The data access interface layer isolates the navigation application software from the geographic data which are stored on the storage medium. The data access interface layer intercepts requests by the navigation application software for geographic data. The data access

interface layer retrieves geographic data from the storage medium and converts the data into a format usable by the navigation application software. The data access interface layer also provides for memory management that facilitates accessing and using geographic data from the particular storage medium quickly and efficiently. By recognizing that different media types have different physical formats, the data access interface layer accommodates and isolates the differences so that the portions of the data access interface layer that interact with the navigation application software can be generic.

ABSTRACT WORD COUNT: 233

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000517 A2 Date of request for examination: 20000323
 Application: 980429 A2 Published application (A1with Search Report ;A2without Search Report)
 Change: 070425 B1 Title of invention (French) changed: 20070425
 Change: 070425 B1 Title of invention (English) changed: 20070425
 Change: 070425 B1 Title of invention (German) changed: 20070425
 Change: 060329 B1 Title of invention (French) changed: 20060329
 Change: 060329 B1 Title of invention (English) changed: 20060329
 Change: 060329 B1 Title of invention (German) changed: 20060329
 Change: 060308 B1 Title of invention (French) changed: 20060308
 Change: 060308 B1 Title of invention (English) changed: 20060308
 Change: 060308 B1 Title of invention (German) changed: 20060308
 Lapse: 051116 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20050316,
 Assignee: 050302 A2 Transfer of rights to new applicant: Navteq North America, LLC (5011270) The Merchandise Mart, Suite 900 Chicago IL 60654 US
 Assignee: 010926 A2 Transfer of rights to new applicant: Navigation Technologies Corporation (2410913) The Merchandise Mart, Suite 900 Chicago, Illinois 60654 US
 Examination: 040225 A2 Date of dispatch of the first examination report: 20040109
 Grant: 050316 B1 Granted patent
 Lapse: 051221 B1 Date of lapse of European Patent in a contracting state (Country, date): FI 20050316, BE 20050316,
 Change: 060322 B1 Title of invention (German) changed: 20060322
 Change: 060322 B1 Title of invention (English) changed: 20060322
 Change: 060322 B1 Title of invention (French) changed: 20060322
 Change: 060405 B1 Title of invention (German) changed: 20060405
 Change: 060405 B1 Title of invention (English) changed: 20060405
 Change: 060405 B1 Title of invention (French) changed: 20060405
 Change: 991201 A2 International Patent Classification changed: 19991013

Search Report: 991201 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199818	1836
CLAIMS B	(English)	200511	2124
CLAIMS B	(German)	200511	1846
CLAIMS B	(French)	200511	2653
SPEC A	(English)	199818	19932
SPEC B	(English)	200511	19944
Total word count - document A			21772
Total word count - document B			26567
Total word count - documents A + B			48339

...INTERNATIONAL PATENT CLASS (V7): G06F-017/30

...SPECIFICATION 298

The geographic database 40 exists in one or more physical binary files on the storage medium 22. The parcel identifiers for all data in these files, both index and map data information, are closely related to a physical offset or address in one of these files. All interface layer I/O from the I/O manager 270 is performed in terms of a...

...locations of third party or navigation application-specific files, if any, can be obtained. This interface allows the navigation application to implement a file I/O framework based on file descriptors and byte offsets so that third party or navigation application-specific files can be accessed via the media device driver interface.

The file directory mapper 298 is able to ascertain the location of the file directory...a current version. The version level of the software library that forms the data access interface layer 41 is used to identify the appropriate set of metadata to use.

The metadata tables are read from the storage medium through the operating system kernel and physical devices subsystem (i.e., the operation system...

...As mentioned above, if the version levels of the navigation application program and the physical storage format are the same, the metadata conversion step is unnecessary and the physical-to-logical subsystem can skip this conversion step.

X. Further alternative embodiments

The above embodiments disclose an interface layer system that can be used in a navigation system. In one present embodiment, the...

...SPECIFICATION 298

The geographic database 40 exists in one or more physical binary files on the storage medium 22. The parcel identifiers for all data in these files, both index and map data information, are closely related to a physical offset or address in one of these files. All interface layer I/O from the I/O manager 270 is performed in terms of a...

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The metadata tables are read from the storage medium through the operating system kernel and physical devices subsystem (i.e., the operation system...

...As mentioned above, if the version levels of the navigation application program and the physical storage format are the same, the metadata conversion step is unnecessary and the physical-to-logical subsystem can skip this conversion step.

X. Further alternative embodiments

The above embodiments disclose an interface layer system that can be used in a navigation system. In one present embodiment, the...

...CLAIMS Claim 11 wherein said means for transforming further comprises:

a metatranslation means responsive to a metadata table on said physical storage medium and said first interface and adapted to

translate said geographic data in said decompressed intermediate format at a first...

...CLAIMS 11 wherein said translating means (216) further comprises:
a metatranslation means (261) responsive to a metadata table (259) on said physical storage medium (22) and said first interface (260) and adapted to translate said geographic data (40) in said decompressed intermediate format at...

...parcels in said physical storage format containing geographic data (40) and to provide said parcel identifiers to a memory management library program means (220) to obtain said parcels to provide to said data transformation program means (244) for transformation therein.

26. The interface layer (41) of Claim 25 wherein said indexes management program means (242) further comprises means (248) to obtain said parcel identifiers from said storage medium, and wherein said indexes management program means (242) further comprises means to obtain pointers...

...for translating specific entity identifiers passed from said navigation application program portion (200) to parcel identifiers for parcels on said physical storage medium (22).

28. The interface layer (41) of Claim 25 wherein said index managing program means (242) further comprises:
program...

46/5,K/20 (Item 20 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00747205

Method and apparatus for classifying document information
Verfahren und Gerat zur Klassifikation von Dokumentinformationen
Procede et dispositif pour classer des informations de documents
PATENT ASSIGNEE:

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Hashimoto, Tetsuya, 40-1-W333, Utsukushigaokanishi-2-chome, Aoba-ku,
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PATENT (CC, No, Kind, Date): EP 704810 A1 960403 (Basic)
EP 704810 B1 020403

APPLICATION (CC, No, Date): EP 95115253 950927;

PRIORITY (CC, No, Date): JP 94236444 940930; JP 95231033 950908

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

CITED PATENTS (EP B): EP 437615 A; EP 457707 A; EP 542429 A

ABSTRACT EP 704810 A1

A document information classification method and apparatus for classifying a document group and arranging a classified result hierarchically on the basis of key words given to the document group and words appearing in documents without dependence on a prescribed classification system. The document group of a document data base (107)

and a key word group given to each document of a key word data base (108) are managed by a data management unit (101). A document classification unit (103) classifies documents into folders on the basis of individual key words and stores them. The folders having similar document groups are integrated. Whether the integration is effective or not is judged upon integration. Whether the inside of the integrated folder and the inside of unintegrated folders can be classified in detail or not is judged and a hierarchical classification system is prepared. A classified result is produced in CRT (109) by a classified result output unit (104) to provide environment in which a user can read out the classified result. (see image in original document)

ABSTRACT WORD COUNT: 202

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010228 A1 Title of invention (German) changed: 20010105

Application: 960403 A1 Published application (A1with Search Report ;A2without Search Report)

Oppn None: 030326 B1 No opposition filed: 20030106

Grant: 020403 B1 Granted patent

Examination: 961113 A1 Date of filing of request for examination: 960919

Examination: 991124 A1 Date of dispatch of the first examination report: 19991007

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1443
CLAIMS B	(English)	200214	1354
CLAIMS B	(German)	200214	1218
CLAIMS B	(French)	200214	1642
SPEC A	(English)	EPAB96	15219
SPEC B	(English)	200214	15342
Total word count - document A			16664
Total word count - document B			19556
Total word count - documents A + B			36220

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

...SPECIFICATION process performed on the basis of auxiliary information received from the classification system construction assisting interface of the second embodiment;

Fig. 30 shows a definite example of items and item levels of the second embodiment;

Fig. 31 illustrates a temporary key word data base of the second embodiment;

Fig. 32 is a flow chart of a document classification apparatus...

...SPECIFICATION process performed on the basis of auxiliary information received from the classification system construction assisting interface of the second embodiment;

Fig. 30 shows a definite example of items and item levels of the second embodiment;

Fig. 31 illustrates a temporary key word data base of the second embodiment;

Fig. 32 is a flow chart of a document classification apparatus...

46/5,K/40 (Item 40 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00390576 ***Image available***

QUERYING AND NAVIGATING CHANGES IN WEB REPOSITORIES
MODIFICATIONS CONCERNANT L'INTERROGATION ET LA NAVIGATION DANS LES ORGANES
D'ARCHIVAGE DU WEB

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

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CHEN Yih-Farn Robin,
DOUGLIS Frederick,
KOUTSOFIOS Elefterios,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9731319 A1 19970828

Application: WO 97US2407 19970218 (PCT/WO US9702407)

Priority Application: US 9612151 19960223; US 97797756 19970207

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6191

English Abstract

The present invention is a system for exploring changes to world wide web pages and web structure or other repository that supports recursive document comparison. The user may explore the differences between documents with respect to two dates. Differences between documents are computed automatically and summarized in a new HTML page, and differences in link structure are shown via graphical representations. The present invention is the combination of two tools that complement one another. The AT & T Internet Difference Engine (AIDE) is a tool for tracking and viewing modification to world wide web pages, which has been extended to support recursive tracking of documents; Ciao is graphical navigator that allow users to query and browse structural connections embedded in a document repository. The union of these tools lets users get information on the evolution of documents of interest (both textually and graphically), browse the differences interactively, and dynamically modify the set of documents with which they interact.

French Abstract

Système d'exploration des modifications apportées aux pages et à la structure du world wide web ou à tout autre organe d'archivage offrant la possibilité de comparaisons récursives de documents. L'utilisateur peut explorer les différences entre documents par rapport à deux dates. Les différences entre documents sont calculées automatiquement puis résumées dans une nouvelle page de langage de balisage hypertexte (HTML), et les différences dans les structures de liens sont présentées par des représentations graphiques. L'invention porte sur la combinaison de deux outils qui se complètent l'un l'autre. Le moteur de comparaisons internet de AT & T (AIDE) est un outil permettant de pister et de visualiser les modifications apportées aux pages du w.w.w., cet outil ayant été élargi pour permettre le pistage récursif de documents; Ciao est un indicateur graphique qui permet aux utilisateurs d'interroger et d'explorer les connexions structurelles enfouies dans un organe d'archivage de documents. La réunion de ces deux outils permet aux utilisateurs d'obtenir des informations sur l'évolution des documents qui les intéressent (aussi bien sur un plan textuel que sur un plan graphique, d'explorer les différences de manière interactive et de modifier dynamiquement l'ensemble des documents avec lesquels ils interagissent.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970828

Main International Patent Class (v7): G06F-017/30
Fulltext Availability:
Detailed Description
Publication Year: 1997

Detailed Description

... to provide visual feedback and navigational
5 tools. The present invention provides these more
sophisticated interfaces ,
System ArchitectLLra
The preferred embodiment of the present
invention is comprised of four components: a version
and meta - data repository , a robot that tracks
modifications, a difference engine, and a graph
generator. While pieces of...

46/5,K/41 (Item 41 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00374275 **Image available**

METHOD AND SYSTEM FOR PROVIDING UNIFORM ACCESS TO HETEROGENEOUS INFORMATION
PROCEDE ET SYSTEME PERMETTANT UN ACCES HOMOGENE A DES INFORMATIONS
HETEROGENES

Patent Applicant/Assignee:

BELL COMMUNICATIONS RESEARCH INC,

Inventor(s):

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SHAH Kshitij Jawahar,
SHETH Amit Pravinkumar,
SHKLAR Leon A,
SURAK Jerome Raymond,
THATTE Satish Mukund,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9715018 A1 19970424

Application: WO 96US15620 19960926 (PCT/WO US9615620)

Priority Application: US 95543644 19951016

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

CA CN JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext word Count: 9634

English Abstract

Our invention is a system and methodology for integrating heterogeneous
information in a distributed environment by encapsulating data about
existing and new information into objects (16). The process of
encapsulating the information requires extracting from the information
metadata. Creating from the metadata, a database (30), where the metadata
is grouped into objects (26) and groups of objects (28) which are
logically associated into collections (28). This database of object and
collections is instantiated into runtime memory of a server (22),
organized into repositories (24) of objects (20) and collections (28). A
user (12) seeking access to the information would then, using an HTTP
compliant browser (20), access the server (22) to access the information
through the objects (26) created and stored in the server.

French Abstract

Systeme et methode pour l'integration d'informations heterogenes dans un environnement reparti par encapsulation dans des objets (16) de donnees concernant des informations existantes et nouvelles. Le processus d'encapsulation des informations comprend l'extraction de meta-donnees des informations, et la creation a partir des meta-donnees d'une base de donnees (30) dans laquelle les meta-donnees sont groupees dans des objets (26) et des groupes d'objets (28) associes les uns aux autres de maniere logique pour former des collections (28). Cette base de donnees d'objets et de collections est instanciee dans la memoire operationnelle d'un serveur (22), divisee en depots (24) d'objets (20) et de collections (28). L'utilisateur (12) souhaitant acceder aux informations utilise une table d'orientation (20) compatible avec le protocole HTTP pour solliciter le serveur (22) et consulter les informations par l'intermediaire des objets (26) crees et stockes dans le serveur.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970424

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... 82 and the inArtSet objects 84.

Figure 8 depicts a table that defines the abstract interface to artifact objects. Figure 9 depicts a table containing descriptions of how each of the subclasses implements those methods described in Figure 8.

Each metadata entity in a repository is represented at runtime by an instance of a class in the ihArtifact hierarchy.

These...

46/5,K/42 (Item 42 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00374274 **Image available**

ACCESSING DATABASES

ACCES A DES BASES DE DONNEES

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PLC,

McKEARNEY Stephen,

Inventor(s):

McKEARNEY Stephen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9715017 A1 19970424

Application: WO 96GB2572 19961018 (PCT/WO GB9602572)

Priority Application: AT 795307469 19951019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7028

English Abstract

A remote database (110) is accessed from user terminals. A communication

channel is established over the world wide web (101) and commands defining a user interface are returned from the database system to the user terminals. The database system supplies an indication of quantifiable values to the user terminals inviting a user to select one of said values. An indication of a selected value is supplied to the database system resulting in an indication being returned of available data mappings. A data mapping is selected by a user and an indication of a selected mapping is supplied to the database. In response to this indication, an enquiry is made by activating database-specific instructions defined by Standard Query Language.

French Abstract

Système permettant à des terminaux utilisateurs d'accéder à une base de données à distance (110). L'utilisateur établit une liaison de communication par l'intermédiaire du World Wide Web (101) et le système de base de données renvoie les commandes définissant une interface utilisateur au terminal. La base de données fournit des valeurs quantifiables au terminal de l'utilisateur, en invitant ce dernier à sélectionner l'une desdites valeurs. L'utilisateur indique la valeur qu'il sélectionne à la base de données, qui en retour fournit les configurations de données disponibles. L'utilisateur sélectionne une configuration de données et indique celle qu'il a sélectionnée à la base de données. Cette dernière, en réponse à l'indication reçue, procède à une recherche en activant des instructions de type SQL qui lui sont spécifiques.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970424

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... within the remote database. The database computer 110 is

12

therefore provided with a networking store 405 containing database metadata, that is data about the data contained within the database.

Thus, when a

connection is first established between the JAVA interpreter 402 and the JAVA interface 404, in response to a local user request, information from the networking store 405 is...database 406 may be considered as being contained in the form of tables

After the meta - data from the networking store 405 has been supplied to a local user and displayed within the graphical user interface, it is then possible for the local user to perform operations ...interface 606 being displayed on the monitor 602. The user communicates via the graphical user interface by operation of the mouse 604. Conventional techniques of dragging, clicking and selecting soft buttons result in the generation of appropriate URLs generated in response to the meta - data received from the mapping store 408

The information contained in the database, as illustrated by the tables shown in Figures...

46/5,K/43 (Item 43 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00348333 ***Image available***

AN INTEGRATED DEVELOPMENT PLATFORM FOR DISTRIBUTED PUBLISHING AND
MANAGEMENT OF HYPERMEDIA OVER WIDE AREA NETWORKS

PLATE-FORME DE DEVELOPPEMENT INTEGREE POUR LA PUBLICATION ET LA GESTION
REPARTIES D'HYPERMEDIA SUR DES RESEAUX LONGUE PORTEE

Patent Applicant/Assignee:

NAVISOF INC,

Inventor(s):

DOZIER Linda T,
WILLIAMS George W V,
LONG Dave,
MCKEE Douglas M,
DAVIDSON James G,
BRADY Karen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9630846 A1 19961003

Application: WO 96US1686 19960321 (PCT/WO US9601686)

Priority Application: US 95412981 19950328

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 177634

English Abstract

The present invention addresses the critical needs of publishers seeking to create and publish hypermedia content in electronic form across wide area networks ("WAN's") such as the world wide web. Toward this end, a client-server development platform is provided for handling the important functions of document authoring, content-based indexing and retrieval of documents, management and control of proprietary assets, and support for developing form-driven interactive services, all in a manner that is uniquely and seamlessly WAN-integrated.

French Abstract

Le systeme selon l'invention repond aux besoins cruciaux des editeurs desireux de creer et de publier le contenu d'hypermedia sous forme electronique dans des reseaux longue portee tels que le reseau WWW (world wide web). Pour ce faire, une plate-forme de developpement de serveur/client est produite pour gerer les fonctions importantes de creation de documents, indexation basee sur le contenu et d'extraction de documents, de gestion et de controle des actifs prives, et de support pour le developpement de services interactifs a base de masque, l'ensemble de maniere integree, de maniere unique et transparente aux reseaux a longue portee.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19961003

Main International Patent Class (v7): G06F-017/30

Publication Year: 1996

46/5,K/44 (Item 44 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00340754 ***Image available***

END USER QUERY FACILITY

SYSTEME PERMETTANT A UN UTILISATEUR INDIVIDUEL D'EFFECTUER DES

INTERROGATIONS

Patent Applicant/Assignee:

ST COMPUTER SYSTEMS & SERVICES LIMITED,

Inventor(s):

YONG Dennis,

CHENG Viktor Choong-Hung,

YO Christopher Leng-Hong,

LIM Liat,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9623266 A1 19960801

Application: WO 96IB38 19960117 (PCT/WO IB9600038)

Priority Application: US 95378744 19950126

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
ML MR NE SN TD TG

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Claims

Fulltext word Count: 34782

English Abstract

An end user query technology is taught which is capable of automatically understanding the database model and guiding the user to scout for the desired information, thereby increasing productivity and ease of information access. The user is freed from the need to understanding the database model, with the end user query facility of this invention quickly guiding the user to acquire the information. This is made possible by the end user query facility of this invention first recapturing the application semantics from the existing database model to provide a set of derived semantics. The derived semantics are then used by the end user query facility to intelligently guide the user to scout for the desired information in the database. In addition, the derived semantics can be easily updated by the end user query facility when the database model is changed.

French Abstract

L'invention concerne un systeme d'interrogation pouvant comprendre automatiquement le modele de base de donnees et guider l'utilisateur dans sa recherche de l'information souhaitee, en ameliorant la productivite et en facilitant l'accès a l'information. L'utilisateur n'est plus oblige de comprendre le modele de la base de donnees, le systeme d'interrogation individuel de cette invention guidant l'utilisateur pour acquerir rapidement l'information. Ceci est rendu possible par le systeme d'interrogation individuel de cette invention en recapturant d'abord la semantique des applications a partir du modele de la base de donnees existant pour obtenir un jeu semantique derive. La semantique derivee est alors utilisee par l'utilisateur du systeme d'interrogation individuel pour guider d'une maniere intelligente l'utilisateur vers l'information souhaitee dans la base de donnees. En plus, la semantique derivee peut facilement etre remise a jour par l'utilisateur de l'installation d'interrogation individuelle quand le modele de la base de donnees est change.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19960801

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Claims

Publication Year: 1996

Claim

... to
obtain from a user a designation of the information to be
extracted from said database using said keyword library ;
a first connectivity driver for connecting said
application to said keyword library ;
a first e-mail agent for the said inference engine to
interface with said e-mail system, the said second e-mail agent
being used to

46/5,K/45 (Item 45 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00332990 ***Image available**
OBJECT ORIENTED DATABASE MANAGEMENT SYSTEM
SYSTEME DE GESTION DE BASE DE DONNEES ORIENTE OBJET
Patent Applicant/Assignee:

CADIS INC,
KAVANAGH Thomas S,
BEALL Christopher W,
HEINZ William C,
MOTYCKA John D,
PENDLETON Samuel S,
SMALLWOOD Thomas D,
TERPENING Brooke E,
TRAUT Kenneth A,

Inventor(s):

KAVANAGH Thomas S,
BEALL Christopher W,
HEINZ William C,
MOTYCKA John D,
PENDLETON Samuel S,
SMALLWOOD Thomas D,
TERPENING Brooke E,
TRAUT Kenneth A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9615501 A1 19960523
Application: WO 95US15028 19951113 (PCT/WO US9515028)
Priority Application: US 94339481 19941110; US 95527161 19950912

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG
MN MW NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 77639

English Abstract

The present invention provides a method and apparatus for an object
oriented database management system. The present invention may be
advantageously used in a client/server architecture comprising a
knowledge base client and a knowledge base server (132). A plurality of
users may access the system at the same time. In a preferred embodiment,
the knowledge base server (132) may include a dynamic class manager
(134), a connection manager (135), a query manager (136), a handle

manager (137), a units manager (138), a database manager (1349), and a file manager (140). The object oriented database system is hierarchical. Each instance in a knowledge base may be a member of a class, and a class may be a subclass of a parent class, and so on.

French Abstract

La presente invention se rapporte a un procede et a un appareil destine a etre utilise dans un systeme de gestion de base de donnees oriente objet. Cette invention peut etre utilisee de maniere avantageuse dans une architecture client/serveur comprenant un client de base de connaissances et un serveur de base de connaissances (132). Une pluralite d'utilisateurs peuvent acceder en meme temps au systeme. Selon un mode de realisation prefere, le serveur de base de connaissances (132) peut comporter un gestionnaire de classe dynamique (134), un gestionnaire de connexion (135), un gestionnaire de consultation (136), un gestionnaire d'entite d'accès (137), un gestionnaire d'unites (138), un gestionnaire de base de donnees (1349) et un gestionnaire de fichier (140). Le systeme de base de donnees oriente objet est hierarchique. Chaque instance d'une base de connaissances peut appartenir a une classe, et une classe peut appartenir a une sous-classe d'une classe mere et ainsi de suite.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19960523
Main International Patent Class (v7): G06F-017/30
Fulltext Availability:
Detailed Description
Publication Year: 1996

Detailed Description

... select classes, attributes and enumerators for
thesaurus editing.

Legacy 133 also provides a graphical user interface for the creation, modification and deletion of thesaurus entries stored as metadata associated with classes, numeric attributes, boolean attributes, enumerators of enumerated attributes, and units within unit...

46/5,K/46 (Item 46 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00313634

METHOD AND APPARATUS FOR HANDLING REQUESTS REGARDING INFORMATION STORED IN
A FILE SYSTEM

PROCEDE ET APPAREIL SERVANT A TRAITER DES DEMANDES RELATIVES AUX
INFORMATIONS STOCKEES DANS UN SYSTEME DE FICHIERS

Patent Applicant/Assignee:

APPLE COMPUTER INC,
SZYMANSKI Steven James,
BRUFFEY Bill Monroe,

Inventor(s):

SZYMANSKI Steven James,
BRUFFEY Bill Monroe,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9531787 A1 19951123
Application: WO 95US6009 19950515 (PCT/WO US9506009)
Priority Application: US 94245141 19940513

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ

TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 35532

English Abstract

In a computer including at least one caller adapted to request access to a storage media, the storage media being organized according to one of at least one file system format, a system for handling requests for access to the storage media. The system includes interface modules for receiving a request for information from a caller, determining an appropriate one of a plurality of destinations to which to send the request based at least in part on a subject for the received request, and sending the request to the appropriate destination, format agent modules, corresponding to the file system format, for processing requests to access the storage media, a store for storing at least one first identifier for identifying the format agent modules, second identifiers for identifying the plurality of destinations, and mapping information for mapping between the second and first identifiers, and a dispatch module for receiving the request from the interface modules and forwarding the request to the format agent modules responsive to the mapping information. A method for handling requests for access to the storage media is also provided.

French Abstract

Système de traitement de demandes d'accès au support de stockage dans un ordinateur comprenant au moins un programme appelant destiné à demander un accès aux supports de stockage, ce dernier étant organisé selon au moins un format de fichiers. Ce système comprend des modules d'interface qui reçoivent une demande d'informations depuis un programme appelant, déterminent une destination appropriée parmi un ensemble de destinations ou envoyer la demande en fonction au moins en partie d'un sujet pour la demande reçue, et envoient la demande à la destination appropriée; des modules d'agent de format, correspondants au format de fichiers, qui traitent les demandes d'accès aux supports de stockage; une mémoire qui stocke au moins un premier identificateur servant à identifier les modules d'agent de format, des deuxièmes identificateurs servant à identifier l'ensemble de destinations, et des informations de mappage entre les deuxièmes et le premier identificateurs; ainsi qu'un module d'acheminement qui reçoit la demande provenant des modules d'interface et la fait suivre aux modules d'agent de format réagissant aux informations de mappage. On décrit également un procédé de traitement des demandes d'accès aux supports de stockage.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19951123

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1995

Detailed Description

... the operating system, in particular the file manager, by translating a request acquired through their interfaces into the message structures, and sending those messages to the dispatcher 300.

The store 340 includes storage structures that store an identifier to identify each format agent, an identifier to identify ...dispatcher port, and mapping information for mapping between the format

agent identifiers and the object identifiers . According to one embodiment, the store 340 is conceptually part of the dispatcher 300. The dispatcher 300 receives the messages from the interface modules 310 and uses the mapping information contained in the store 340 to determine which...

38/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00675866

Information catalog system with object-dependent functionality
Informationsarchivierungssystem mit objektabhangiger Funktionalitat
Systeme d'archivage d'informations avec une fonctionnalite dependant de
l'objet

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), old Orchard Road,
Armonk, N.Y. 10504, (US), (Proprietor designated states: all)

INVENTOR:

Harper, Lloyd, 7144 Via Romera, San Jose, California 95139, (US)
Labrie, Jacques, 1415 Hervey Lane, San Jose, California 95125, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 647909 A1 950412 (Basic)
EP 647909 B1 030416

APPLICATION (CC, No, Date): EP 94306033 940816;

PRIORITY (CC, No, Date): US 134355 931008

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

CITED PATENTS (EP B): EP 304071 A; EP 472070 A; EP 585813 A

CITED REFERENCES (EP B):

RESEARCH DISCLOSURE, RD347015, 10 March 1993, HAVANT GB ANONYMOUS

'Meta-object for samples in object-oriented sample base system'

GOERS J.; HEUER A.: 'Definition and application of metaclasses in an
object-oriented database model' DATA ENGINEERING 19 April 1993, IEEE
CONFERENCE, pages 373 - 380

ORDILLE J.J.; MILLER P.B.: 'Distributed active catalogs and meta-data
caching in descriptive name services' DISTRIBUTED COMPUTING SYSTEMS 25
May 1993, IEEE CONFERENCE PROCEEDINGS, pages 120 - 129

BHASKER B.; VAN STEENBERG M.E.; JACOBS B.E.: 'Architecture and
implementation of an on-line data archive and distribution system' MASS
STORAGE SYSTEMS 26 April 1993, IEEE SYMPOSIUM, pages 177 - 182

ORR D.B. ET AL.: 'Dynamic program monitoring and transformation using the
OMOS object server' SYSTEM SCIENCES vol. 1, 05 January 1993, IEEE
CONFERENCES, pages 232 - 241;

ABSTRACT EP 647909 A1

An information catalog database system (2) is disclosed for cataloging
information stored in one or more data storage resources (12-24) under
the control of one or more data processing nodes (4). The catalog system
(2) includes a cataloging service facility (60) for performing one or
more information cataloging functions to organize and present a graphical
view of the information stored in the data storage resource (12-24). The
information cataloging functions are categorized into a plurality of
defined function categories. An object generation facility generates one
or more meta-data objects corresponding to units of information stored in
the data storage resource (12-24). The meta-data objects contain
attributes defining characteristics of the information units to which
they correspond and the meta-data objects are assigned to one or more of
the function categories to define the information cataloging functions
which may be performed on the meta-data objects. A user interface is
provided for executing the information cataloging functions on the
meta-data objects in response to user input. (see image in original
document)

ABSTRACT WORD COUNT: 170

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant: 030416 B1 Granted patent
 Application: 950412 A1 Published application (A1with Search Report
 ;A2without Search Report)
 Oppn None: 040407 B1 No opposition filed: 20040119
 Examination: 951004 A1 Date of filing of request for examination:
 950810
 Examination: 981118 A1 Date of despatch of first examination report:
 981006

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	383
CLAIMS B	(English)	200316	492
CLAIMS B	(German)	200316	477
CLAIMS B	(French)	200316	647
SPEC A	(English)	EPAB95	5075
SPEC B	(English)	200316	5126
Total word count - document A			5458
Total word count - document B			6742
Total word count - documents A + B			12200

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

...SPECIFICATION an information object type in accordance with the invention;

Fig. 8 illustrates a graphical user interface structure creating an object instance in accordance with the invention;

Fig. 9 illustrates the structure of a tag language file for generating an information object type subclass in accordance with the invention;

Fig. 10 illustrates a graphical user interface structure for selectively executing one or more cataloging services in response to user input;

Fig. 11 illustrates a graphical user interface structure for executing a database catalog search in response to user input;

Fig. 12 illustrates a graphical user interface structure providing a list of object instances resulting from a database catalog search ;

Fig. 13 illustrates a graphical user interface structure for navigating a selected set of object...defined in similar fashion. A third alternative input method is to utilize all application programming interface (API) allowing access to the database cataloging system via all external application using C language function calls.

Once the metadata store 28 is generated by creating one or more object types and object instances in accordance...shown. Fig. 10 illustrates a main work area window 240 in which one or more database cataloging functions, such, as the Search function, may be represented as user activatable icons. Additional icons may be provided to indicate

...

...SPECIFICATION an information object type in accordance with the invention;

Fig. 8 illustrates a graphical user interface structure creating an object instance in accordance with the invention;

Fig. 9 illustrates the structure of a tag language file for generating an information object type subclass in accordance with the invention;

Fig. 10 illustrates a graphical user interface structure for selectively executing one or more cataloging services in response to user input;

Fig. 11 illustrates a graphical user interface structure for executing a database catalog search in response to user input.

Fig. 12 illustrates a graphical user interface structure providing a list of object instances resulting from a database catalog search ;

Fig. 13 illustrates a graphical user interface structure for

navigating a selected set of object...defined in similar fashion. A third alternative input method is to utilize an application programming interface (API) allowing access to the database cataloging system via an external application using C language function calls.

Once the metadata store 28 is generated by creating one or more object types and object instances in accordance...
...shown. Fig. 10 illustrates a main work area window 240 in which one or more database cataloging functions, such as the Search function, may be represented as user activatable icons. Additional icons may be provided to indicate...

38/5,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00348332 **Image available**

METHOD AND APPARATUS FOR IMPROVED INFORMATION STORAGE AND RETRIEVAL SYSTEM
PROCEDE ET APPAREIL PERMETTANT UN SYSTEME AMELIORE DE STOCKAGE ET
D'EXTRACTION D'INFORMATIONS

Patent Applicant/Assignee:

DEX INFORMATION SYSTEMS,

Inventor(s):

WLASCHIN Scott,
GORDON Robert M,
WANNIER Louise J,
GORDON Clay,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9630845 A1 19961003

Application: WO 96US1260 19960201 (PCT/WO US9601260)

Priority Application: US 95383752 19950328

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK TJ TM TR TT UA UG VZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18755

English Abstract

The information management and database system of the present invention comprises a flexible, self-referential table that stores data. The table of the present invention may store any type of data, both structured and unstructured, and provides an interface to other application programs. The table of the present invention comprises a plurality of rows and columns. Each row has an object identification number (OID) and each column also has an OID. A row corresponds to a record and a column corresponds to a field such that the intersection of a row and a column comprises a cell that may contain data for a particular record related to a particular field, a cell may also point to another record. To enhance searching and to provide for synchronization between columns, columns are entered as rows in the table and the record corresponding to a column contains various information about the column. The table includes an index structure for extended queries.

French Abstract

Le systeme de gestion d'informations et de base de donnees de la presente invention consiste en une table amenable, auto-referentielle,

stockant les donnees. Cette table peut stocker n'importe quel type de donnees, structurees ou non structurees, et constitue une interface pour d'autres programmes d'application. La table de la presente invention comporte une pluralite de lignes et de colonnes. Chaque ligne possede un numero d'identification d'objet, ainsi que chaque colonne. Une ligne correspond a un enregistrement et une colonne correspond a un champ, si bien que l'intersection d'une ligne et d'une colonne constitue une cellule qui peut contenir des donnees destinees a un enregistrement particulier associe a un champ particulier; une cellule peut egalement renvoyer a un autre enregistrement. Afin de faciliter la recherche et d'assurer la synchronisation entre les colonnes, celles-ci sont entrees dans la table comme des lignes, et l'enregistrement correspondant a une colonne contient diverses informations sur celle-ci. La table est munie d'un index pour les interrogations complexes.

Patent and Priority Information (Country, Number, Date):

Patent: ... 19961003

Main International Patent Class (v7): G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1996

Detailed Description

... present invention may store any type of data, both structured and unstructured, and provides an interface to other application programs such as

The present invention includes an index structure to allow for rapid searches . Text from each cell is stored in a key word index which itself is stored in the table. The text cells include pointers to the entries in the key word present invention includes a thesaurus and knowledge base that enhances indexed searches . The thesaurus is stored in the table and allows a user to search for synonyms and concepts and also...

?

File 347:JAPIO Dec 1976-2006/Dec(Updated 070403)

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File 348:EUROPEAN PATENTS 1978-2007/ 200722

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070531UT=20070525

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File 350:Derwent WPIX 1963-2007/UD=200735

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Set	Items	Description
S1	8	AU='CRAFT D'
S2	2	AU='CRAFT D H'
S3	2	AU='CRAFT DANIEL H'
S4	13	AU='CARO P':AU='CARO P A'
S5	14	AU='CARO PERRY A'
S6	21	AU='PASQUA J':AU='PASQUA JOESPH'
S7	13	AU='PASQUA JOSEPH'
S8	12	AU='BROTSKY D':AU='BROTSKY DANIEL CARL 1162 COLUSA AVENUE - BERKELE'
S9	55	S1:S8
S10	199649	METATAG? OR TAG? ? OR TAGG????
S11	2	S9 AND S10

11/5/1 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01247792 **Image available**

SYSTEM AND METHOD FOR GENERATING EXTENSIBLE FILE SYSTEM METADATA AND FILE
SYSTEM CONTENT PROCESSING

SYSTEME ET PROCEDE POUR LA GENERATION DE METADONNEES DE SYSTEME DE FICHIERS
EXTENSIBLE ET LE TRAITEMENT DE CONTENU DE SYSTEME DE FICHIERS

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200555093 A2-A3 20050616 (WO 0555093)

Application: WO 2004US39038 20041119 (PCT/WO US04039038)

Priority Application: US 2003723704 20031126; US 2004862505 20040607

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT
RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/30

Publication Language: English

Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14936
English Abstract

A system and method for generating extensible file system metadata. In one embodiment, the system may include a storage device configured to store data and a file system configured to manage access to the storage device and to store file system content. The file system may be further configured to detect a file system content access event, and in response to detecting the file system content access event, to generate a metadata record, where the metadata record is stored in an extensible, self-describing data format.

French Abstract

La presente invention a trait a un systeme et procede pour la generation de metadonnees de systeme de fichiers extensible. Dans un mode de realisation, le systeme peut comporter un dispositif de stockage de configuration pour le stockage de donnees et un systeme de fichier de configuration pour la gestion d'accès au dispositif de stockage et pour le stockage de contenu de systeme de fichiers. Le systeme de fichiers peut etre en outre de configuration pour la detection d'un evenement d'accès au contenu de systeme de fichier, et en reponse a la detection de l'evenement d'accès au contenu de systeme de fichiers, pour la generation d'un enregistrement de metadonnees, ou l'enregistrement de metadonnees est stocke dans un format de donnees extensible et auto-descriptif.

Legal Status (Type, Date, Text)

Publication 20050616 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20051006 Late publication of international search report
Republication 20051006 A3 With international search report.
Republication 20051006 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

>>>Format 69 is not valid in file 348

11/69/2 (Item 1 from file: 350)
DIALOG(R)File.350:Derwent WPIX
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0012787171 - Drawing available
WPI ACC NO: 2002-642437/200269
XRPX Acc No: N2002-507792

User request response method for tagging data assets, involves receiving query from user through location interface and identifying set of data assets by using tag database for presenting ID information to user
Patent Assignee: ADOBE SYSTEMS INC (ADOB-N); BROTSKY D C (BROT-I); CARO P A (CARO-I); CRAFT D H (CRAF-I); PASQUA J (PASQ-I)
Inventor: BROTSKY D C ; CARO P A ; CRAFT D H ; PASQUA J
Patent Family (2 patents, 1 countries)

Patent			Application			Update
Number	Kind	Date	Number	Kind	Date	
US 20020091696	A1	20020711	US 1999224915	A	19990104	200269 B
US 6704739	B2	20040309	US 1999224915	A	19990104	200418 E

Priority Applications (no., kind, date): US 1999224915 A 19990104

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020091696	A1	EN	23	11	

Alerting Abstract US A1

NOVELTY - A location interface that receives location information from

user is linked to a searchable tag database containing concept data elements, asset references and associates. A query to identify concept and relation is received from user through the location interface. A set of data assets which are related with concept are identified by using tag database for presenting identification information for data assets to the user.

DESCRIPTION - An INDEPENDENT CLAIM is included for computer program product.

USE - For tagging data assets such as e-mail messages, photographs, compressed video files, audio files, text, etc., stored as file objects stored in a computer system.

ADVANTAGE - The digital assets can be stored and organized based on user defined criteria. Asset organization restrictions imposed by computer file system hierarchy can be reduced. Text based descriptive data can be associated with non text data. Descriptive information can be associated with stored data without altering the data contents. Dynamic organization of documents based on query parameters can be provided.

DESCRIPTION OF DRAWINGS - The figure shows a semantic network.

Title Terms/Index Terms/Additional Words: USER; REQUEST; RESPOND; METHOD; TAG ; DATA; RECEIVE; QUERY; THROUGH; LOCATE; INTERFACE; IDENTIFY; SET; DATABASE; PRESENT; ID; INFORMATION

Class Codes

International Classification (Main): G06F-017/30, G06F-007/00

US Classification, Issued: 707010000, 707102000, 707002000, 707006000, 707101000, 707010000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05E; T01-J05B1; T01-J05B3; T01-S03

?

STIC Search Results Feedback Form

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CW

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(Journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28